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THE
PANJAB
UNIVERSITY CALENDAR
FOR THE YEAR
1933-1934



1933

Price Rs. 5/8/0

BAPTIST MISSION PRESS, CALCUTTA.

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PANJAB UNIVERSITY ORIENTAL PUBLICATIONS.

1. **Introduction to Prakrit**, by A. C. WOOLNER, M.A., C.I.E., *Principal, Oriental College, Lahore*. General Character of Prakrit Phonetics, Declensions, Conjugation, Classification of Prakrits, Prakrit Literature. Part II. Extracts with notes from Sauraseni, Maharashtri, etc. Index of Examples. Students' Bibliography. Pages 1-215. Price Rs. 3. [Second Revised Edition.]

2. **Muqbal's Hir Ranjha**, edited by BANARSI DAS, M.A., PH.D. Price Annas 8.

3. **Yāska's Niruktam**, translated into English by LAKSHMAN SARUP, M.A., D.PHIL. (*Oxon*). (Printed by the Oxford University Press. Price £1/1/0. The Introduction was printed by the Author in the same Press, forming part of his Degree Thesis.)

4. **Ardha-Magadhi Reader**, by BANARSI DAS, M.A., PH.D. Pages lxx + 180. Price : Cloth bound Rs. 4 ; Ordinary binding Rs. 3.

5. **Atharva Pratisakhya**, edited by VIDYARTHI, M.A. Price Rs. 3.

6. **Maha-Vira-Charitam**, a Critical Edition by THE LATE PANDIT TODAR MALL, M.A., PH.D. Printed in the Oxford University Press under the direction of Professor A. A. Macdonell. (Price Rs. 10 for a bound copy, and Rs. 8 for a copy with paper cover.)

7. **Asoka Text and Glossary**, by A. C. WOOLNER, M.A., C.I.E. Part I. Introduction, Sketch of the Grammar, Text of the Inscriptions. Part II. 'Glossarial Index, showing every form, with references, parsing and meanings according to different authorities, references to important articles in the Oriental Journals. Published by Oxford University Press, 2 vols. Rs. 10.

8. **Yāska's Niruktam, a Critical Edition** by LAKSHMAN SARUP, M.A., D.PHIL., with an Introduction and Appendix I. (Price Rs. 4-8.)

9. **Analytical Indexes to the 'Iqḍ of Ibn 'Abd Rabbihi**, by MOHAMMAD SHAFI, M.A., *Professor of Arabic.* (*In the Press.*)

10. **Iqlīd al-Khizana** or an index of the works quoted in the *Khizānat al-Adab* of Abdul Qādir al-Baghdādī, by ABDUL AZIZ MAIMAN. (Bound Re. 1-12. Ordinary binding Re. 1-6)

11. **Indices to Yāska's Niruktam**, by LAKSHMAN SARUP, M.A., D.PHIL. (Price Rs. 6.)

12. **Phonology of Panjabi** with specimens of the Ludhiana Dialect, by BANARSI DASS, M.A., PH.D. (Price Rs. 5.)

12 (a). **Ludhiani Phonetic Reader**, by BANARSI DASS, M.A., PH.D. (Price Re. 1.)

13. **English Translation of Plays attributed to Bhasa**, by A. C. WOOLNER and LAKSHMAN SARUP. Price 9s. net; vols. 1 and 2 together 15s. net.

14. **Letters of Rashiduddin Fadlullah**, Persian text and abridged English translation, by MOHAMMAD SHAFI, M.A. (*Under preparation.*)

15. **Saundarananda of Aśvaghosha**, edited by E. H. JOHNSTON, M.A. (Price 12s. 6d. net.)

16. **Fragments of the Commentaries of Skanda and Maheśvara on the Nirukta**, edited by LAKSHMAN SARUP. (Price Rs. 2-4.)

17. **Varahagrhyasutra**, edited by RAGHUVIRA, M.A. (*In the Press.*)

18. **Critical Edition of the Commentary of Skanda Mahesavara on the Nirukta, Part II**, edited by LAKSHMAN SARUP. (Price Rs. 5.)

19. **Majmú'a-i-Nagloz or the Tazkirah-i-Shu'ará-i-Urdu** by Mír Qudratullah Qasim, edited by H. M. SHAIRANI, ESQ. Two volumes.

20. **'Alí b. Zaid al-Baihaqí's Tatimmatu Şiwán al-Hikma.** Arabic Text and the Persian Version. Edited by PROFESSOR MOHAMMAD SHAFI. (*In the Press.*)

21. **"Zubdat-ul-Tawarikh",** edited by DR. MOHAMMAD IQBAL, M.A., PH.D. (*In the Press.*)

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25. **A Word Index to the Padumavati the famous poem of Malik Muhammad, 1540 A.D.,** by PROF. SURYA KANTA, M.A., M.O.L., D.A -V. College, Lahore.

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**DATES OF INCORPORATION OF VARIOUS
INDIAN UNIVERSITIES.**

1. University of Calcutta .. 24th January, 1857.
2. University of Bombay .. 18th July, 1857.
3. University of Madras .. 5th September, 1857.
4. University of the Panjab 14th October, 1882.
5. University of Allahabad 16th November, 1889.
6. Benares Hindu University 1st April, 1916.
7. * University of Mysore .. 22nd July, 1916.
8. University of Patna .. 1st October, 1917.
9. Osmania University, Hyderabad-Deccan .. 28th August, 1919.
10. University of Dacca .. 23rd March, 1920.
11. University of Rangoon .. 1st December, 1920.
12. Muslim University, Aligarh 1st December, 1920.
13. University of Lucknow.. 2nd December, 1920.
14. University of Delhi .. 1st May, 1922.
15. University of Nagpur .. 4th August, 1923.
16. Andhra University .. 26th April, 1926.
17. Agra University .. 1st July, 1927.
18. Annamalai University .. 1st July, 1929.

The Indian Universities Act (VIII of 1904) was passed on the 24th of March, 1904.

Calendar for 1933, *from Oct. to Dec.*

OCTOBER.

S	1	8	15	22	29
M	2	9	16	23	30
T	3	10	17	24	31
W	4	11	18	25	
Th	5	12	19	26	
F	6	13	20	27	
S	7	14	21	28	

NOVEMBER

S		5	12	19	26
M		6	13	20	27
T		7	14	21	28
W	1	8	15	22	29
Th	2	9	16	23	30
F	3	10	17	24	
S	4	11	18	25	

DECEMBER.

S		3	10	17	24/31
M		4	11	18	25
T		5	12	19	26
W		6	13	20	27
Th		7	14	21	28
F	1	8	15	22	29
S	2	9	16	23	30

Calendar for 1934.

JANUARY.

S		7	11	21	28
M	1	8	15	22	29
T	2	9	16	23	30
W	3	10	17	24	31
Th	4	11	18	25	
F	5	12	19	26	
S	6	13	20	27	

FEBRUARY.

S		1	11	18	25
M		5	12	19	26
T		6	13	20	27
W		7	14	21	28
Th	1	8	15	22	
F	2	9	16	23	
S	3	10	17	24	

MARCH

S		1	11	18	25
M		5	12	19	26
T		6	13	20	27
W		7	14	21	28
Th	1	8	15	22	29
F	2	9	16	23	30
S	3	10	17	24	31

APRIL

S	1	8	15	22	29
M	2	9	16	23	30
T	3	10	17	24	
W	4	11	18	25	
Th	5	12	19	26	
F	6	13	20	27	
S	7	14	21	28	

MAY.

S		6	13	20	27
M		7	14	21	28
T	1	8	15	22	29
W	2	9	16	23	30
Th	3	10	17	24	31
F	4	11	18	25	
S	5	12	19	26	

JUNE

S		3	10	17	24
M		4	11	18	25
T		5	12	19	26
W		6	13	20	27
Th		7	14	21	28
F	1	8	15	22	29
S	2	9	16	23	30

JULY

S		1	8	15	22	29
M		2	9	16	23	30
T		3	10	17	24	31
W		4	11	18	25	
Th		5	12	19	26	
F		6	13	20	27	
S		7	14	21	28	

AUGUST.

S			5	12	19	26
M			6	13	20	27
T			7	14	21	28
W	1		8	15	22	29
Th	2		9	16	23	30
F	3		10	17	24	31
S	4		11	18	25	

SEPTEMBER

S			1	9	16	23/30
M			3	10	17	24
T			4	11	18	25
W			5	12	19	26
Th			6	13	20	27
F			7	14	21	28
S	1		8	15	22	29

OCTOBER.

S		7	14	21	28
M	1	8	15	22	29
T	2	9	16	23	30
W	3	10	17	24	31
Th	4	11	18	25	
F	5	12	19	26	
S	6	13	20	27	

NOVEMBER

S		4	11	18	25
M		5	12	19	26
T		6	13	20	27
W		7	14	21	28
Th	1	8	15	22	29
F	2	9	16	23	30
S	3	10	17	24	

DECEMBER.

S		2	9	16	23 30
M		3	10	17	24/31
T		4	11	18	25
W		5	12	19	26
Th		6	13	20	27
F		7	14	21	28
S	1	8	15	22	29

General holidays to be observed by the High Court of Judicature at Lahore and all Civil Courts in the Punjab subordinate thereto during the year 1934.

Description of holidays.	Names of holidays.	Dates on which they fall.	Day or days of the week.	Number of days including Sundays.
General	Proclamation day.	1st January	Monday	1
Mohammadan	Juma-tul-Wida	12th January	Friday	1
Mohammadan	Id-ul-Fitr	17th and 18th January.	Wednesday & Thursday.	2
Hindu	Basant Panchmi	20th January	Saturday	1
Hindu	Moon Eclipse	31st January	Wednesday	1
Hindu	Sheoratri	12th February	Monday	1
Hindu	Holi	28th Feb. and 1st March.	Wednesday & Thursday	2
Hindu	Durga Ashtmi	23rd March.	Friday	1
Mohammadan	Id-ul-Zuha	26th and 27th March.	Monday and Tuesday.	2
Christian	Good Friday	30th March	Friday	1
Christian	Saturday before Easter.	31st March	Saturday	1
Christian	Easter Monday	2nd April	Monday	1
Hindu	Baisakhi	13th April	Friday	1
Mohammadan	Moharram	20th to 25th April.	Friday to Wednesday	6
General	Empire Day	24th May	Thursday	1
Hindu	Nirjla Ikadshi	23rd June	Saturday	1
Mohammadan	Id-ul-Milad	25th June	Monday	1
General	Bank Holiday	30th June	Saturday	1
Hindu	Bias Puja	26th July	Thursday	1
Hindu	Moon Eclipse.	27th July	Friday	1
Hindu	Solono (Rakhri)	24th August	Friday	1
Hindu	Janam Ashtmi	1st September	Saturday	1
Hindu	Anant Chaudas	22nd September.	Saturday	1
Hindu	Dusehra	14th to 17th October.	Sunday to Wednesday.	4
Hindu	Dewali	5th and 6th November.	Monday and Tuesday.	2
Hindu	Jam Dutia (Tikka).	9th November.	Friday	1
Sikh	Guru Nanak's Birthday.	21st November.	Wednesday	1
Mohammadan	Shab-i-Barat	22nd November.	Thursday	1
Christian	Christmas vacations.	24th to 31st December.	Monday to Monday.	8

(1) Every Sunday in the year is a holiday. (2) The last Saturday in every month is a holiday provided the state of business in the Courts admits. (3) The date of Summer Vacation in the Lower Courts will be notified hereafter. (4) The date fixed for the celebration of the King-Emperor's birthday will be notified hereafter. (5) The date of long vacation in the High Court will be notified hereafter. (6) Local holidays have been omitted from the list. A place where there is a fair, etc., can have a special holiday. (7) In Jhang District Dusehra holiday will be observed two days after the above mentioned days.

SCHEDULE OF EXAMINATIONS FOR 1934.

EXAMINATIONS.

EXAMINATIONS.	Last date for applications to reach Controller's Office.	Approximate dates of the commencement of Examinations.
Matriculation Examination and School-Leaving Certificate Examination (School candidates) ..	30th December, 1933 ..	10th March, 1934.
Do. (Private candidates) ..	2nd December, 1933 ..	Do.
Intermediate Examination ..	13th February, 1934 ..	9th April, 1934.
B.O.L., B.A., B.Sc., M.O.L., M.Sc., and M.A. Examinations ..	Do.	Do.
Bachelor of Teaching Degree Examination ..	19th February, 1934 ..	16th April, 1934.
Prajna, Visharada, Shastri, Maulvi, Alim and Maulvi Fazil Examinations ..	21st March, 1934 ..	2nd May, 1934.
Munshi, Munshi Alim and Munshi Fazil Examinations ..	Do.	Do.
Examinations in Vernacular Languages ..	Do.	Do.
First Examination and Final Examination in Agriculture ..	6th March, 1934 ..	1st May, 1934.
M.Sc. Agriculture Examination ..	Do.	20th August, 1934.
First Examination in Law ..	2nd April, 1934 ..	1st May, 1934.
LL.B. Examination ..	Do.	Do.
The Examination for Diploma in Conveyancing and Deed-writing ..	Do.	Do.
Special Test in Law Examination ..	Do.	To be decided by the Syndicate.
LL.M. Examination ..	1st February, 1934 ..	1st May, 1934.
Medical Examinations (First and Second M.B.B.S.) ..	30th April, 1934 ..	14th May, 1934.
Do. (Third and Final M.B.B.S.) ..	Do.	April and October, 1934.
M.D. and M.S. Examinations ..	Do.	October, 1934.
Bachelor of Commerce Examination ..	20th March, 1934 ..	1st May, 1934.
Engineering Examinations (First, Second and Final) ..	Do.	June, 1934.

IV. ACTS.

ACT OF INCORPORATION.

ACT No. XIX OF 1882.

PASSED BY THE GOVERNOR-GENERAL OF INDIA IN
COUNCIL.

*(Received the assent of the Governor-General on
5th October, 1882.)*

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PART II.—PERSONS TO BE DEEMED TO HAVE BEEN APPOINTED FELLOWS UNDER SECTION 6, CLAUSE (b) OR (c).

An Act to establish and incorporate the University of the Panjab.

Whereas an Institution, styled at first the Lahore University College, but subsequently the Panjab University College, was established at Lahore in the year 1869, with the special objects of promoting the diffusion of European Science, as far as possible through the medium of the vernacular languages of the Panjab, improving and extending vernacular literature generally, affording encouragement to the enlightened study of the Eastern classical languages and literature, and associating the learned and influential classes of the Province with the officers of Government, in the promotion and supervision of popular education;

But it was at the same time provided that every encouragement should be afforded to the study of the English language and literature, and that, in all subjects which could not be completely taught in the vernacular, the English language should be regarded as the medium of examination and instruction;

And whereas this Institution was by a Notification, No. 472, dated 8th December, 1869, published in the *Panjab Government Gazette* of the twenty-third day of December, 1869, declared to be so established, in part fulfilment of the wishes of a large number of the Chiefs, Nobles, and influential classes of the Panjab, and it is now expedient, the said Institution having been attended with success, further to fulfil the wishes of the said Chiefs, Nobles and influential classes, by constituting the said Institution a University for the purpose of ascertaining, by means of examination or otherwise, the persons who have acquired proficiency in different branches of Literature, Science and Art, and for the purpose of conferring upon them academical degrees, diplomas, Oriental literary titles, licenses and marks of honour;

And whereas it is also expedient that the University so constituted should be incorporated, and the property, movable and immovable, which has been hitherto held by, or in trust for, the said Institution, should become the property of the University, subject to all existing trusts as to the manner in which, and the purposes to which, the property or any part thereof to be applied;

It is hereby enacted as follows:—

Short Title and Commencement.	1. This Act may be called the Panjab University Act, 1882; and it shall come into force at once.
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Establishment and Incorporation of University.	2. (1) A University shall be established at Lahore, and the Governor-General for the time being shall be the Patron of the University.
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(2) The University shall consist of a Chancellor, a Vice-Chancellor, and such number of Fellows as may be determined in manner hereinafter provided.

(3) The University shall be a Body Corporate by the name of the University of the Panjab, having perpetual succession and a common seal, with power to acquire and hold property, movable or immovable, to

transfer the same, to contract, and to do all other things necessary for the purposes of its constitution.

(4) The University shall come into existence on such day as the Local Government may, by notification in the official Gazette, appoint in this behalf.

3. All the property, movable and immovable, held at the date at which the University comes into existence by, or in trust for, the Panjab University College, shall, on that date, become the property of the University, to be administered by it for the purposes of the University, subject to all existing trusts as to the manner in which, and the purpose to which, that property or any part thereof is to be applied.

4. The Lieutenant-Governor of the Panjab for the time being shall be the Chancellor of the University; and the first Chancellor shall be the Hon'ble Sir Charles Umphers-ton Aitchison. Knight Commander of the Most Exalted Order of the Star of India, Companion of the Order of the Indian Empire. Doctor of Laws.

5. (1) The Vice-Chancellor shall be such one of the Vice-Chancellor. Fellows as the Chancellor may, from time to time, appoint in this behalf.

(2) Except as provided in sub-section (4), he shall hold office for two years from the date of his appointment, and on the expiration of his term of office may be reappointed.

(3) But if a Vice-Chancellor leaves India, without the intention of returning thereto, he shall thereupon cease to be Vice-Chancellor.

(4) James Broadwood Lyall, Esquire, of the Bengal Civil Service, and at present Financial Commissioner of the Panjab, shall be deemed to have been appointed the Vice-Chancellor, and his term of office shall, subject to the provisions of sub-section (3), expire on the last day of December, 1884.

6. **Repealed.**

7. (1) **Repealed.**

(2) The persons named in Part II of that schedule shall, except for the purposes of the second clause of the proviso to section 6, be deemed to have been appointed Fellows under clause (b) or (c) of section 6.

8. (1) The Chancellor may, with the consent of not less than two-thirds of the members of the Senate for the time being in India cancel the appointment of any Fellow.

(2) If any Fellow leaves India without the intention of returning thereto, or is absent from India for more than four years, he shall thereupon cease to be a Fellow.

9. (1) The Chancellor, Vice-Chancellor, and Fellows for the time being shall form the Senate of the University.

(2) The Senate shall have the entire management of, and superintendence over, the affairs, concerns and property of the University, and shall provide for that management, and exercise that superintendence, in accordance with the Statutes, Rules and Regulations for the time being in force.

10. **Repealed.**

11. **Repealed.**

12. (1), (2), (3), (4), (a) and (b). **Repealed.**

The first Registrar shall be Gottlieb William Leitner, Esquire, Master of Arts, Doctor of Laws, Barrister-at-Law.

13. **Repealed.**

14. **Repealed.**

15. **Repealed.**

16. **Repealed.**

17. The Senate may charge such reasonable fees for entrance in the University, and continuance therein, for admission to the examinations of the University, for attendance at any lectures or classes in connection with the

University, and for the degrees to be conferred by the University, as may be imposed by the Rules or Regulations for the time being in force under this Act.

18. Repealed.

19. It shall be the duty of the Local Government to require that the proceedings of the University shall be in conformity with this Act and with the Statutes, Rules and Regulations for the time being in force under the same; and the Local Government may exercise all powers necessary for giving effect to its requisitions in this behalf, and may (among other things) annul, by notification in the official Gazette, any such proceeding, which is not in conformity with this Act and the said Statutes, Rules and Regulations.

20. All appointments made under section 5, all Notification in certain cases. appointments cancelled under section 8, all degrees, diplomas, oriental literary titles or licenses conferred, and all Statutes, Rules and Regulations made under section 18,* shall be notified in the official Gazette, wherein, also, the record of the proceedings of every meeting of the Senate shall duly be published.

21. The accounts of the income and expenditure of the University shall be submitted Annual Accounts. once in every year to the Local Government for such examination and audit as the Local Government may direct.

22. The Statutes, Rules and Regulations of the Panjab University College shall, Temporary provision as to Statutes, Rules and Regulations. so far as they are consistent with this Act, be deemed to be Statutes, Rules and Regulations of the University, and shall remain in force for two years from the date on which the University comes into existence, unless they are sooner repealed by a Statute made in accordance with section 18.

* Now made under the Indian Universities Act of 1904.

THE SCHEDULE.

(See Section 7.)

PART I.—REPEALED.

PART II.

Persons to be deemed to have been appointed Fellows under Section 6, Clause (b) or (c):—

- HIS Highness Maharaja Ranbir Singh of Jammu and Kashmir,
G.C.S.I., C.I.E., Counsellor of the Empress of India;
- HIS Highness Maharaja Rajindra Singh of Patiala;
- HIS Highness Nawab Sadiq Muhammad Khan of Bahawalpur,
G.C.S.I.;
- HIS Highness Raja Raghubir Singh of Jhind, G.C.S.I., C.I.E.,
Counsellor of the Empress of India;
- HIS Highness Raja Hira Singh of Nabha, G.C.S.I.;
- HIS Highness Raja Jagatjit Singh of Kapurthala;
- Raja Bije Sen of Mandi;
- Nawab Ibrahim Ali Khan of Maler Kotla;
- Raja Bikrama Singh of Faridkot;
- Nawab Abdul Majid Khan;
- Sardar Ajit Singh, C.I.E., Atariwala;
- Munshi Amin Chand, Sardar Bahadur;
- Malaz-ul-Ulma-Fuzala Sardar Atar Singh, C.I.E., of Badhaur;
- Major-General Henry Prevost Babbage, Bengal Staff Corps, late
Deputy Commissioner, Panjab;
- David Graham Barkley, Esquire, LL.D., Bengal Civil Service,
Barrister-at-Law;
- Deputy Surgeon-General Henry Walter Bellew, C.S.I.;
- Right Reverend Edward Bickersteth, D.D.;
- Charles Boulnois, Esquire, late Judge, Chief Court, Panjab;
- Sardar Bikrama Singh, C.S.I., Ahluwalia;
- Arthur Brandreth, Esquire, Barrister-at-Law, late of the Bengal
Civil Service and Judge, Chief Court, Panjab;
- Brigade-Surgeon Thomas Edwin Burton Brown, M.D.;
- John Scarlet Campbell, Esquire, late of the Bengal Civil Service,
and Judge, Chief Court, Panjab;
- Reverend Robert Clark, M.A.;
- John Graham Cordery, Esquire, M.A., Bengal Civil Service;
- Henry Stuart Cunningham, Esquire, M.A., Barrister-at-Law,
Judge of the High Court, Calcutta;
- Surgeon-General Alexander Morrison Dallas;
- Mansel Longworth Dames, Esquire, Bengal Civil Service;
- Sir Robert Henry Davies, K.C.S.I., C.I.E., late Lieutenant-Governor
of the Panjab and its Dependencies;
- Colonel William George Davies, C.S.I.;

Surgeon-General Annesley Charles Castriot DeRenzy, B.A., C.B.;
 Sir Robert Eyles Egerton, K.C.S.I., C.I.E., Counsellor of the
 Empress, late Lieutenant-Governor of the Panjab and its
 Dependencies;

Dennis Fitzpatrick, Esquire, B.A., Bengal Civil Service, Barrister-
 at-Law;

Reverend C. W. Forinan, D.D.;

The Right Reverend Thomas Valpy French, D.D., Lord Bishop
 of Lahore;

Munshi Ghulam Nabi Khan;

Surgeon-Major Robert Gray, M.B.;

Lt.-Col. Leopold John Henry Gray, C.S.I., Bengal Staff Corps;

Sir Lepel Henry Griffin, K.C.S.I., Bengal Civil Service;

Pandit Guru Prasada;

Khan Bahadur Saiyid Hadi Husain Khan;

Raja Harbans Singh;

Kaur Harnam Singh, Ahluwalia;

Thomas Hastings, Esquire, M.D., late Deputy Inspector-General
 of Hospitals;

Edward Piercy Henderson, Esquire, Bengal Civil Service, Bar-
 rister-at-Law;

Surgeon-Major George Henderson, M.D.;

Mir Hidayat Ali, Khan Bahadur;

Lieutenant-Colonel William Rice Morland Holroyd;

Reverend W. Hooper, M.A.;

Reverend T. P. Hughes, B.D.;

Munshi Hukm Chand, Rai Bahadur;

Sodhi Hukm Singh;

Denzil Charles Jeff Ibbetson, Esquire, Bengal Civil Service;

Raja Jahandad Khan Bahadur, Gakhar;

Khan Bahadur Agha Kalbabid Khan;

Fakir Sayid Qamar-ud-din Khan;

Rai Bahadur Kanhaya Lal, M.I.C.E.;

Khan Bahadur Khan Muhammad Shah;

Baba Khem Singh Bedi, C.I.E.;

John Lockwood Kipling, Esquire, C.I.E.;

Surgeon Edward Lawrie, M.B.;

Gottlieb William Leitner, Esquire, M.A., LL.D., D.O.L.;

Thomas Crompton Lewis, Esquire, M.A.;

Charles Robert Lindsay, Esquire, late of the Bengal Civil
 Service, and Judge, Chief Court, Panjab;

James Broadwood Lyall, Esquire, Bengal Civil Service;

General Robert MacLagan, R.E., late Secretary to Government,
 Panjab Public Works Department;

Major-General Charles Arthur McMahon;

The Ven'ble Henry James Matthew, M.A., Archdeacon of Lahore;

Colonel Julius George Medley, R.E.;

Philip Sandys Melvill, Esquire, C.S.I., late of the Bengal Civil
 Service, and Governor-General's Agent, Baroda;

John Andrew Erasmus Miller, Esquire;
 Pandit Moti Lal, Kathju;
 Khan Bahadur Muhammad Barkat Ali Khan;
 Mashir-uq-Daula Mumtaz-ul-Mulk Khalifa Sayid Muhammad Hussain;
 Muhammad Hayat Khan, C.S.I.;
 Rai Mul Singh;
 Nasir Ali Khan, Kazilbash;
 Babu Navina Chandra Rai;
 Nawab Nawazish Ali Khan, C.I.E., Kazilbash;
 Major Edward Newbery;
 Edward O'Brien, Esquire, Bengal Civil Service;
 Henry Edward Perkins, Esquire, late of the Bengal Civil Service;
 Henry Meredith Plowden, Esquire, B.A., Barrister-at-Law, Judge, Chief Court, Panjab;
 Major-General Charles Pollard, R.E.;
 Baden Henry Baden-Powell, Esquire, Bengal Civil Service;
 Edward Augustus Prinsep, Esquire, late of the Bengal Civil Service, and Settlement Commissioner, Panjab;
 Honorary-Surgeon Rahim Khan, Khan Bahadur;
 Diwan Ram Nath;
 William Henry Rattigan, Esquire, M.A., PH.D., Barrister-at-Law;
 Pandit Rikhi Kesh;
 Raja Sir Sahib Dyal, K.C.S.I.;
 Rai Bahadur Sahib Singh;
 Leslie Seymour Saunders, Esquire, Bengal Civil Service;
 Brigade-Surgeon John Barklay Scriven, late Civil Surgeon, Lahore;
 David Simson, Esquire, late of the Bengal Civil Service, and Judge, Chief Court, Panjab;
 John Sime, Esquire, M.A.;
 Surgeon-General Charles Manners Smith, late of the Indian Medical Service;
 John Watt Smyth, Esquire, Bengal Civil Service, Barrister-at-Law;
 Charles Henry Spitta, Esquire, LL.B., Barrister-at-Law;
 Thomas Henry Thornton, Esquire, D.C.L., C.S.I., late of the Bengal Civil Service, and Judge, Chief Court, Panjab;
 Thomas William Hooper Tolbort, Esquire, Bengal Civil Service, Barrister-at-Law;
 Charles Lewis Tupper, Esquire, B.A., Bengal Civil Service;
 Major Isaac Peat Westmorland, R.E.;
 Lieutenant-Colonel George Gordon Young;
 William Mackworth Young, Esquire, M.A., Bengal Civil Service;
 Maulvi Zia-ud-din Khan.

THE INDIAN UNIVERSITIES ACT.

1904 (VIII of 1904).

C O N T E N T S.

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3. Incorporation and powers of the University.
4. Constitution and powers of the Senate.

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5. *Ex-officio* Fellows.
6. Ordinary Fellows.
7. Ordinary Fellows elected by registered Graduates.
8. Ordinary Fellows elected by Senate.
9. Election by the Faculties.
10. Nomination by the Chancellor.
11. Vacating of office.

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14. Faculties.
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16. Degrees, diplomas, licenses, titles and marks of honour.
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SECTIONS.

19. Certificate required of candidates for examination.
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25. Regulations.
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27. Territorial exercise of powers.
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THE FIRST SCHEDULE.—EX-OFFICIO FELLOWS OF THE UNIVERSITY.

THE SECOND SCHEDULE.—ENACTMENTS REPEALED.

ACT No. VIII OF 1904.

PASSED BY THE GOVERNOR-GENERAL OF INDIA IN COUNCIL.

(Received the assent of the Governor-General on the 24th March, 1904.)

An Act to amend the law relating to Universities of British India.

Whereas by Acts II, XXII and XXVII of 1857, Act XIX of 1882 and Act XVIII of 1887, Universities were established and incorporated at Calcutta, Bombay, Madras, Lahore and Allahabad;

And whereas by Act XLVII of 1860 the Universities of Calcutta, Madras and Bombay were empowered to confer such degrees as should be appointed in the manner provided by the Act;

And whereas by Act 1 of 1884 the Universities of Calcutta, Madras and Bombay were further empowered to confer the honorary degree of Doctor in the Faculty of Law;

And whereas it is expedient to amend the law relating to the Universities of British India;

It is hereby enacted as follows:—

1. (1) This Act may be called the Indian Universities Act, 1904; and
 Short title and commencement. (2) It shall come into force on such date as the Government may fix in this behalf by notification in the Gazette of India or the local official Gazette, as the case may be.
2. (1) This Act shall be deemed to be part of each of the Acts by which the said five Universities were respectively established and incorporated.

(2) In this Act unless there is anything repugnant in the subject or context,—

(a) the term “College” or “affiliated College” includes any collegiate institution affiliated to or maintained by the University:

(b) the expression “the Government” means in relation to the University of Calcutta the Governor-General in Council, and in relation to the other Universities the Local Government: and

(c) the expressions “the University” and “the Act of Incorporation” and any expression denoting any University, authority or officer or any statute, regulation, rule or bye-law of the University, shall be construed with reference to each of the said Universities respectively.

The University.

3. The University shall be and shall be deemed to have been incorporated for the purpose (among others) of making provision for the instruction of students, with power to appoint
 Incorporation and powers of the University.

University Professors and Lecturers, to hold and manage educational endowments, to erect, equip and maintain University libraries, laboratories and museums; to make regulations relating to the residence and conduct of students, and to do all acts, consistent with the Act of Incorporation and this Act, which tend to the promotion of study and research.

4. (1) Notwithstanding anything contained in the Constitution and Act of Incorporation, the Body powers of the Sen- Corporate of the University shall ate. consist of—

- (a) the Chancellor;
- (b) in the case of the University of Calcutta, the Rector;
- (c) the Vice-Chancellor;
- (d) the *ex-officio* Fellows; and
- (e) the Ordinary Fellows—
 - (i) elected by registered Graduates or by the Senate,
 - (ii) elected by the Faculties, and
 - (iii) nominated by the Chancellor.

(2) The Ordinary Fellows shall, save as herein otherwise provided, hold office for five years:

Provided that an Ordinary Fellow who has vacated his office may, subject to the provisions of this Act, be elected or nominated to be an Ordinary Fellow.

(3) The Body Corporate shall be the Senate of the University, and all powers which are by the Act of Incorporation or by this Act conferred upon the Senate, or upon the Chancellor, Vice-Chancellor and Fellows in their corporate capacity, or, in the case of the University of Calcutta, upon the Chancellor, Rector, Vice-Chancellor and Fellows in their corporate capacity, shall be vested in, and exercised by, the Senate constituted under this Act, and all duties and liabilities imposed upon the University by the Act of Incorporation shall be deemed to be imposed upon the Body Corporate as constituted under this Act.

(4) No act done by the University shall be deemed to be invalid merely by reason of any vacancy among either class of elected Ordinary Fellows, or by reason of the total number of Ordinary Fellows or of members of the profession of education to be included among Ordinary Fellows, being less than the minimum prescribed by this Act.

Fellows.

5. (1) Notwithstanding anything contained in the Act of Incorporation, the persons *Ex-officio* Fellows. for the time being performing the duties of the offices mentioned in the list contained in the first schedule to this Act or added to the said list under sub-section (2) shall be the *ex-officio* Fellows of the University.

(2) The Government may, by notification published in the Gazette of India or in the local official Gazette, as the case may be, make additions to, or alterations in, the list of offices contained in the said schedule:

Provided that the number of *ex-officio* Fellows shall not exceed ten.

6. (1) In the case of the Universities of Calcutta, Bombay and Madras, the number of Ordinary Fellows shall not be less than fifty nor exceed one hundred; and of such number—

- (a) ten shall be elected by registered Graduates;
- (b) ten shall be elected by the Faculties; and
- (c) the remainder shall be nominated by the Chancellor.

(2) In the case of the Universities of the Panjab and Allahabad, the number of Ordinary Fellows shall not be less than forty nor exceed seventy-five; and of such number—

- (a) ten shall be elected by the Senate or by registered Graduates;
- (b) five shall be elected by the Faculties; and

(c) the remainder shall be nominated by the Chancellor.

(3) The election of any Ordinary Fellow shall be subject to the approval of the Chancellor.

(4) Elections of Ordinary Fellows by the Faculties and nominations of such Fellows by the Chancellor under this section shall be made in such manner as to secure that not less than two-fifths of the Fellows so elected and so nominated respectively shall be persons following the profession of education.

7. (1) Once in every year, on such date as the Ordinary Fellows Chancellor may appoint in this behalf, there shall, if necessary, be an election to fill any vacancy among the Ordinary Fellows elected by registered Graduates.

(2) The Syndicate shall maintain a register on which any Graduate who—

(a) has taken the degree of Doctor or Master in any Faculty; or

(b) has graduated in any Faculty not less than ten years before registration,

shall, subject to the payment of an initial fee of such amount as may be prescribed by the regulations, be entitled to have his name entered upon application made within the period of three years from the commencement of this Act, or of one year from the date on which he becomes so entitled.

Provided that, if such application is made after the expiry of either of the said periods, the applicant shall be entitled to have his name entered on payment of the said initial fee, and of such further sum as may be prescribed by the regulations.

(3) The name of any Graduate entered on the register shall, subject to the payment of an annual fee of such amount as may be prescribed by the regulations, be retained thereon, and, in case of default, shall be removed therefrom, but shall, at any time, be re-entered upon payment of all arrears:

Provided that a Graduate whose name has been already entered on the register may at any time compound for all subsequent payments of the annual fee by paying the sum prescribed in this behalf by the regulations.

(4) No person other than a Graduate whose name is entered on the said register shall be qualified to vote or to be elected at an election held under sub-section (1).

(5) A Graduate registered under this section shall be entitled to such further privileges as may be determined by the regulations.

8. (1) The provisions of section 7 shall not apply to the University of the Panjab* or to the University of Allahabad until the Chancellor, with the previous sanction of the Governor-General in Council and by notification in the local official Gazette, so directs; and until such time the Ordinary Fellows of the said Universities, who would be elected by registered Graduates if the said provisions were in force, shall be elected by the Senate.

(2) In the case of the University of the Panjab and the University of Allahabad, there shall, if necessary, be an election, once in every year, on such date as the Chancellor may appoint in this behalf, to fill any vacancy among the Ordinary Fellows elected by the Senate.

9. (1) Once in every year, on such date as the Chancellor may appoint in this behalf, there shall, if necessary, be an election to fill any vacancy among the Ordinary Fellows elected by the Faculties.

(2) An election under sub-section (1) shall be held, subject to such directions prescribing the qualifications

* Applies to the Panjab University with effect from the 1st April, 1909. *Vide* Panjab Government Notification, No. 1465 (Home), dated the 4th December, 1908.

of the persons to be elected as may, from time to time, be given by the Chancellor, with a view to secure the return of duly qualified persons and the fair representation of different branches of study in the Senate.

10. Subject to the provisions of section 6, the Chancellor may nominate any number of fit and proper persons to be Ordinary Fellows.

11. (1) Any Ordinary Fellow may, by letter addressed to the Chancellor, resign his office.

(2) Where any Ordinary Fellow has not attended a meeting of the Senate, other than a Convocation, during the period of one year, the Chancellor may declare his office to be vacated.

Transitory Provisions.

12. In their application to the election and nomination of Ordinary Fellows within the period of one year after the commencement of this Act and to the current business of the University, the provisions of this Act shall be read as subject to the following restrictions and modifications:—

(a) In the case of the Universities of Calcutta, Bombay, and Madras, the Chancellor shall, as soon as may be after the commencement of this Act, make an order directing that the Ordinary Fellows who under the said provisions are to be elected by registered Graduates, shall be elected by the elected Fellows holding office at the commencement of this Act, or by such Graduates of the University as the Chancellor may determine, or partly by elected Fellows and partly by such Graduates, and in such manner as the Chancellor may direct.

(b) When the Ordinary Fellows mentioned in clause (a) have been elected, the Chancellor shall proceed

to the nomination of Ordinary Fellows under section 6, sub-section (1), clause (c).

(c) The Ordinary Fellows mentioned in clauses (a) and (b) shall, as soon as may be after their appointment and in such manner as the Chancellor may direct, elect the Fellows who under the said provisions are to be elected by the Faculties.

(d) In the case of the Universities of the Panjab and Allahabad, the Chancellor shall, as soon as may be after the commencement of this Act, proceed to nominate Ordinary Fellows under section 6, sub-section (2), clause (c).

(e) When Ordinary Fellows have been appointed under clause (d), the Chancellor shall make an order directing that the Fellows who under the said provisions are to be elected by the Senate, shall be elected by the Ordinary Fellows appointed under clause (d), or by elected Fellows holding office at the commencement of this Act, or partly by such Ordinary Fellows and partly by elected Fellows, in such manner as the Chancellor may direct.

(f) The Ordinary Fellows mentioned in clauses (d) and (e) shall as soon as may be after their appointment, and in such manner as the Chancellor may direct, elect the Fellows who under the said provisions are to be elected by the Faculties.

(g) An election under clause (c) or clause (f) shall be made subject to such directions prescribing the qualifications of the persons to be elected as may be given by the Chancellor, with a view to secure the return of duly qualified persons and a fair representation of different branches of study in the Senate.

(h) As soon as Ordinary Fellows have been nominated and elected under clauses (a), (b) and (c), or under clauses (d), (e) and (f), as the case may be, and the persons so elected have been approved by the Chancellor, the Chancellor shall declare that the Body Corporate of the University has been constituted in accordance with the provisions of this Act, and shall

append to the declaration a list of the Senate, and shall forward the said declaration and the appended list to the Governor-General in Council, who shall cause the declaration and list to be published in the Gazette of India.

(i) The seniority of the Fellows included in the list mentioned in clause (h) shall be determined by the order in which their names appear in the list.

(j) Until the said declaration is published under clause (h), the Fellows holding office at the commencement of this Act shall, together with the Chancellor and the Vice-Chancellor, continue to be the Senate of the University, and shall be entitled to exercise the powers conferred upon them by the Act of Incorporation.

(k) Every Ordinary Fellow elected or nominated under this section shall, unless his Fellowship is previously vacated by death, resignation or any other cause, hold office for not less than three years.

(l) At or about the end of the third year from the publication of the declaration mentioned in clause (h), the names of, as nearly as may be, one-fifth of the total initial number—

- . (i) of Ordinary Fellows elected under clause (a) or clause (e) as the case may be;
- (ii) of Ordinary Fellows elected under clause (c) or clause (f), and
- (iii) of Ordinary Fellows nominated by the Chancellor,

(after deducting from the said one-fifth the names in each class which have previously been removed from the list mentioned in clause (h) by reason of death, resignation or any other cause) shall be drawn by lot from among the elected and the nominated Ordinary Fellows whose names were included in the list mentioned in clause (h), and those whose names are so shown shall thereupon cease to be Ordinary Fellows.

(m) At or about the end of the fourth, fifth and sixth years from the publication of the said declaration, the names of Ordinary Fellows shall be drawn by lot from each class of Ordinary Fellows included in the said list, in the manner provided in clause (l), so as to secure that, as nearly as may be, one-fifth of the Fellowships of the Ordinary Fellows so included in each class shall be vacated in each year.

(n) An Ordinary Fellow elected or nominated under this section, who has not previously vacated his Fellowship, shall cease to be a Fellow at the end of the seventh year from the publication of the said declaration.

(o) The Vice-Chancellor holding office at the commencement of this Act shall continue to hold office until the publication of the said declaration, and shall, if he is a member of the Senate as constituted under this Act, continue to hold office as Vice-Chancellor for the remainder of the term for which he was originally appointed.

(p) The members of the Syndicate holding office at the commencement of this Act shall continue to conduct the executive business of the University until the publication of the said declaration; and, upon such publication, the Senate shall, in such manner as the Chancellor may direct, appoint a provisional Syndicate to conduct the executive business of the University until the Syndicate has been constituted under this Act.

(q) The Senate as constituted under this Act may give orders for the provisional constitution of Faculties, Boards of Studies and of any Board or Committee of the Senate, pending the constitution of such Faculties, Boards and Committees in conformity with the regulations.

(r) University Examiners and all officers and servants of the University shall continue to hold office and to act, subject to the conditions governing their tenure of office or employment, except in so far as

such conditions may be altered by competent authority.

(s) The statutes, regulations and bye-laws of the University in force at the commencement of this Act, shall continue to be in force, except in so far as the said statutes, regulations and bye-laws shall be altered or repealed by competent authority.

Honorary Fellows.

13. (1) (a) A Fellow holding office at the commencement of this Act shall cease to be a Fellow.

(b) Where a Fellow included in clause (a) does not become a Fellow under this Act, he shall be an Honorary Fellow for life.

(c) Where a Fellow included in clause (a) becomes a Fellow under this Act, he shall, whenever and so often as he ceases to be a Fellow under this Act, become an Honorary Fellow as provided in clause (b).

(2) The Chancellor may nominate any person to be an Honorary Fellow for life, who is eminent for his attainments in any branch of learning, or is an eminent benefactor of the University, or is distinguished for services rendered to the cause of education generally.

(3) Notwithstanding anything contained in this section, any Fellow who at the commencement of this Act is entitled as such to vote for the election of any person to be a member of any Council for the purpose of making laws and regulations or of any local authority, shall continue to be so entitled as if this Act had not been passed.

Faculties and Syndicate.

14. (1) Nothing contained in the Act of Incorporation shall be deemed to prohibit the constitution of a new
Faculties.

Faculty or the abolition or reconstitution of any existing Faculty by the Senate under regulations made in accordance with the provisions of this Act.

(2) Regulations made under sub-section (1) may—

(a) provide for the assignment of Fellows to the several Faculties by order of the Senate; and

(b) empower the Fellows so assigned to add to their number, in such manner and for such period as may be prescribed, Graduates in the Faculty and other persons possessing special knowledge of the subjects of study represented by the Faculty:

Provided that the number of persons so to be added to the Faculty shall not exceed half the number of Fellows assigned to the Faculty:

(3) A person added to a Faculty under sub-section (2), clause (b), shall have the right to take part in the ordinary business of the Faculty, and in any election of an Ordinary Fellow by the Faculty, but shall not be entitled to take part in the election of the Syndicate.

15. (1) The executive government of the University shall be vested in the Syndicate, which shall consist of—

(a) the Vice-Chancellor as Chairman;

(b) the Director of Public Instruction for the Province in which the headquarters of the University are situated; and, in the case of the University of Allahabad, also the Director of Public Instruction in the Central Provinces; and

(c) not less than seven or more than fifteen *ex-officio* or Ordinary Fellows elected by the Senate or by the Faculties in such manner as may be provided by the regulations, to hold office for such period as may be prescribed by the regulations.

(2) The regulations referred to in sub-section (1) shall be so framed as to secure that a number not falling short by more than one of a majority of the elected members of the Syndicate shall be Heads of, or Professors in, Colleges affiliated to the University.

(3) If in the case of any election the question is raised whether any person is or is not a Professor within the meaning of sub-section (2), the question shall be decided by the Senate.

Degrees.

16. The Senate may institute and confer such degrees and grant such diplomas. Degrees, diplomas, licenses, titles, and marks of honour. licenses, titles, and marks of honour. in respect of degrees and examinations as may be prescribed by regulation.

17. Where the Vice-Chancellor and not less than two-thirds of the other members of the Syndicate recommend that an honorary degree be conferred on any person on the ground that he is, in their opinion, by reason of eminent position and attainments, a fit and proper person to receive such a degree, and where their recommendation is supported by not less than two-thirds of the Fellows present at a meeting of the Senate and is confirmed by the Chancellor, the Senate may confer on such person the honorary degree so recommended without requiring him to undergo any examination.

18. Where evidence is laid before the Syndicate showing that any person on whom a degree, diploma, license, title or mark of honour conferred or granted by the Senate has been convicted* of what is, in their opinion, a serious offence, the Syndicate may propose to the Senate that the degree, diploma, license, title, or mark of honour be cancelled, and, if the proposal is accepted by not less than two-thirds of the Fellows present at a meeting of the Senate and is confirmed by the Chancellor, the degree, diploma,

* See *Syndicate Proceedings*, dated the 6th Feb., 1914, para. 6.

license, title or mark of honour shall be cancelled accordingly.

Affiliated Colleges.

19. Save on the recommendation of the Syndicate, Certificate required by special order of the Senate, of candidates for and subject to any regulations examination. made in this behalf, no person shall be admitted as a candidate at any University examination, other than an examination for matriculation, unless he produces a certificate from a College affiliated to the University, to the effect that he has completed the course of instruction prescribed by regulation.

20. Any College affiliated to the University before the passing of this Act may continue to exercise the rights conferred upon it by such affiliation, save in so far as such rights may be withdrawn or restricted in the exercise of any power conferred by the Act of Incorporation or by this Act.

21. (1) A College applying for affiliation to the University shall send a letter of * Affiliation. application to the Registrar, and shall satisfy the Syndicate—

(a) that the College is to be under the management of a regularly constituted governing body;

(b) that the qualifications of the teaching staff and the conditions governing their tenure of office are such as to make due provision for the courses of instruction to be undertaken by the College;

(c) that the buildings in which the College is to be located are suitable, and that provision will be made, in conformity with the regulations, for the residence.

* For affiliation of further degree classes outside Lahore, see letter No. 21005 dated the 4th December, 1929, from the Under-Secretary to Government, Punjab (Ministry of Education), given as appendix to paragraph 24 of the *Syndicate Proceedings*, dated the 6th December, 1929.

in the College or in lodgings approved by the College, of students not residing with their parents or guardians, and for the supervision and physical welfare of students;

(d) that due provision has been or will be made for a library;

(e) where affiliation is sought in any branch of experimental science, that arrangements have been or will be made in conformity with the regulations for imparting instruction in that branch of science in a properly equipped laboratory or museum;

(f) that due provision will, so far as circumstances may permit, be made for the residence of the Head of the College and some members of the teaching staff in or near the College or the place provided for the residence of students;

(g) that the financial resources of the College are such as to make due provision for its continued maintenance;

(h) that the affiliation of the College, having regard to the provision made for students by other Colleges in the same neighbourhood, will not be injurious to the interests of education or discipline; and

(i) that the College rules fixing the fees (if any) to be paid by the students have not been so framed as to involve such competition with any existing College in the same neighbourhood as would be injurious to the interests of education.

The application shall further contain an assurance that after the College is affiliated, any transference of management and all changes in the teaching staff shall be forthwith reported to the Syndicate.

(2) On receipt of a letter of application under subsection (1), the Syndicate shall—

(a) direct a local inquiry to be made by a competent person authorized by the Syndicate in this behalf;

(b) make such further inquiry as may appear to them to be necessary; and

(c) report to the Senate on the question whether the application should be granted or refused, either in whole or in part, embodying in such report the results of any inquiry under clauses (a) and (b).

And the Senate shall, after such further inquiry (if any) as may appear to them to be necessary, record their opinion on the matter.

(3) The Registrar shall submit the application and all proceedings of the Syndicate and Senate relating thereto to the Government, who, after such further inquiry as may appear to them to be necessary, shall grant or refuse the application or any part thereof.

(4) Where the application or any part thereof is granted, the order of the Government shall specify the courses of instruction in respect of which the College is affiliated; and, where the application or any part thereof is refused, the grounds of such refusal shall be stated.

(5) An application under sub-section (1) may be withdrawn at any time before an order is made under sub-section (3).

22. Where a College desires to add to the courses of instruction in respect of which it is affiliated, the procedure prescribed by section 21 shall, so far as may be, be followed.

23. (1) Every College affiliated to the University, whether before or after the commencement of this Act, shall furnish such reports, returns and other information as the Syndicate may require to enable it to judge of the efficiency of the College.

(2) The Syndicate shall cause every such College to be inspected from time to time by one or more competent persons authorized by the Syndicate in this behalf.

(3) The Syndicate may call upon any College so inspected to take, within a specified period, such action as may appear to them to be necessary in

respect of any of the matters referred to in section 21, sub-section (1).

24. (1) A member of the Syndicate who intends to move that the rights conferred on any College by affiliation be withdrawn, in whole or in part, shall give notice of his motion, and shall state in writing the grounds on which the motion is made.

(2) Before taking the said motion into consideration, the Syndicate shall send a copy of the notice and written statement mentioned in sub-section (1) to the Head of the College concerned, together with an intimation that any representation in writing submitted within a period specified in such intimation on behalf of the College, will be considered by the Syndicate.

Provided that the period so specified may, if necessary, be extended by the Syndicate.

(3) On receipt of the representation or on expiration of the period referred to in sub-section (2), the Syndicate, after considering the notice of motion, statement and representation, and after such inspection by any competent person authorized by the Syndicate in this behalf, and such further inquiry as may appear to them to be necessary, shall make a report to the Senate.

(4) On receipt of the report under sub-section (3), the Senate shall, after such further inquiry (if any) as may appear to them to be necessary, record their opinion on the matter.

(5) The Registrar shall submit the proposal and all proceedings of the Syndicate and Senate relating thereto to the Government, who, after such further inquiry (if any) as may appear to them to be necessary, shall make such order as the circumstances may, in their opinion, require.

(6) Whereby an order made under sub-section (3) the rights conferred by affiliation are withdrawn, in whole or in part, the grounds for such withdrawal shall be stated in the order.

Regulations.

25. (1) The Senate, with the sanction of the Government, may from time to time make regulations consistent with the Act of Regulations. Incorporation as amended by this Act and with this Act to provide for all matters relating to the University.

(2) In particular, and without prejudice to the generality of the foregoing power, such regulations may provide for—

(a) the procedure to be followed in holding any election of Ordinary Fellows;

(b) the constitution, reconstitution or abolition of Faculties, the proportion in which the members, other than the *ex-officio* members, of the Syndicate shall be elected to represent the various Faculties, and the mode in which such election shall be conducted;

(c) the procedure at meetings of the Senate, Syndicate and Faculties and the quorum of members to be required for the transaction of business;

(d) the appointment of Fellows and others to be members of Boards of Studies, and the procedure of such Boards and the quorum of members to be required for the transaction of business;

(e) the appointment and duties of the Registrar and of officers and servants of the University, and of Professors and Lecturers appointed by the University;

(f) the appointment of Examiners, and the duties and powers of Examiners in relation to the examinations of the University;

(g) the form of the certificate to be produced by a candidate for examination under section 19, and the conditions on which any such certificate may be granted;

(h) the registers of Graduates and students to be kept by the University, and the fee (if any) to be paid for the entry or retention of a name on any such register;

(i) the inspection of Colleges and the reports, returns and other information to be furnished by Colleges;

(j) the register of students to be kept by Colleges affiliated to the University;

(k) the rules to be observed and enforced by Colleges affiliated to the University in respect of the transfer of students;

(l) the fees to be paid in respect of the courses of instruction given by Professors or Lecturers appointed by the University;

(m) the residence and conduct of students;

(n) the courses of study to be followed and the conditions to be complied with by candidates for any University examination, other than an examination for matriculation, and for degrees, diplomas, licenses, titles, marks of honour, scholarships and prizes conferred or granted by the University;

(o) the conditions to be complied with by schools desiring recognition for the purpose of sending up pupils as candidates for the matriculation examination and the conditions to be complied with by candidates for matriculation, whether sent up by recognised schools or not;

(p) the conditions to be complied with by candidates, not being students of any College affiliated to the University, for degrees, diplomas, licenses, titles, marks of honour, scholarships and prizes conferred or granted by the University; and

(q) the alteration or cancellation of any rule, regulation, statute or bye-law of the University in force at the commencement of this Act.

26. (1) Within one year after the commencement of this Act, or within such further period as the Government may fix in this behalf,—
 New body of regulations.

(a) the Senate, as constituted under this Act, shall cause a revised body of regulations to be prepared and submitted for the sanction of the Government;

(b) if any additions to, or alterations in, the draft

submitted appear to the Government to be necessary, the Government, after consulting the Senate, may sanction the proposed body of regulations, with such additions and alterations as appear to the Government to be necessary.

(2) Where a draft body of regulations is not submitted by the Senate within the period of one year after the commencement of this Act, or within such further period as may be fixed under sub-section (1), the Government may, within one year after the expiry of such period or of such further period, make regulations which shall have the same force as if they had been prepared and sanctioned under sub-section (1).

Miscellaneous.

27. The Governor-General in Council may, by general or special order, define the territorial limits* within which, and specify the Colleges in respect of which any powers conferred by or under the Act of Incorporation or this Act shall be exercised.

28. (1) The Lieutenant-Governor of Bengal for the time being shall be the Rector of the University of Calcutta, and shall have precedence in any Convocation of the said University next after the Chancellor and before the Vice-Chancellor.

* The following order was issued by the Governor-General in Council on the subject of territorial limits :—

GOVERNMENT OF INDIA, HOME DEPARTMENT—EDUCATION.

The 20th August, 1904.

No. 717.—In exercise of the powers conferred by Section 27 of the Indian Universities Act, 1904 (VIII of 1904), the Governor-General in Council is pleased to define the territorial limits hereinafter set forth below as those within or in relation to which the powers conferred upon the Universities respectively entered against them by or under the Act of Incorporation or the said Indian Universities Act, 1904, shall be exercised :—

Add the following at the end of page 49 :—

Under Notification No. F. 94-5/32-E, dated the 30th March, 1933, issued by the Government of India, Department of Education, Health and Lands, the provisions of sub-section (2) of section 5 of the Delhi University Act, 1922 (VIII of 1922) do not apply in the case of the St. Thomas's High School for Girls, New Delhi.

(2) The Chancellor may delegate any power conferred upon him by the Act of Incorporation or this Act to the Rector.

29. The Acts mentioned in the second schedule are hereby repealed to the extent specified in the fourth column thereof.

TERRITORIAL LIMITS.		UNIVERSITY.
Province (including any State in India which on the 20th August, 1904 was in political relations with the local Government of the province, and any foreign possession included within its boundaries).	State in India or Colony.	
Bengal, Burma & Assam Madras and Coorg ...	..... Hyderabad, Mysore and Ceylon.	Calcutta. } Madras.
Bombay and Sind ...	Baroda	Bombay.
United Provinces of Agra and Oudh, the Central Provinces (including Berar and Ajmer-Merwara).	The States included in the Rajputana and Central India Agencies.	} Allahabad.
Panjab, North-West Frontier Province and British Baluchistan.	Kashmir, Baluchistan	Panjab.

Under proviso to Section 5 (1) of the Delhi University Act, 1922 (Act No. VIII of 1922), the Lady Hardinge Medical College, New Delhi, continues its affiliation with the University of the Panjab, and under Government of India Notification No. 2080-Edn., dated the 20th November, 1930, the Harcourt Butler School, New Delhi, is under the territorial jurisdiction of the University of the Panjab.

THE FIRST SCHEDULE.

*(Section 5.)**Ex-Officio* FELLOWS OF THE UNIVERSITY.*The University of Calcutta.*

The Chief Justice of the High Court of Judicature at Fort William in Bengal.

The Lord Bishop of Calcutta.

The Civil Ordinary Members of the Council of the Governor General.

The Directors of Public Instruction in Bengal, Burma, and Assam.

The University of Bombay.

The Chief Justice of the High Court of Judicature at Bombay
The Bishop of Bombay.

The Ordinary Members of the Council of the Governor of Bombay.

The Director of Public Instruction in Bombay.

The University of Madras.

The Chief Justice of the High Court of Judicature at Madras
The Bishop of Madras.

The Ordinary Members of the Council of the Governor of Madras.

The Director of Public Instruction in Madras.

The University of the Panjab.

The Chief Judge of the Chief Court of the Panjab.

The Bishop of Lahore.

The Director of Public Instruction in the Panjab.

The representatives of such Chiefs (if any) of territories not comprised in British India as the Local Government may, by notification in the local official Gazette, specify in this behalf.

The University of Allahabad.

The Chief Justice of the High Court of Judicature for the North-Western Provinces.

The Bishop of Lucknow.

The Directors of Public Instruction in the United Provinces of Agra and Oudh and in the Central Provinces.

THE SECOND SCHEDULE.

(Section 29.)

ENACTMENTS REPEALED.

Year.	No.	Short title.	Extent of repeal.
1857	II	The Calcutta University Act, 1857.	In section 2, the word "said," wherever it occurs. In section 3, the first sentence and the words "Provided that." In section 5, the words "in the Calcutta Gazette." Section 6. Section 8, except the first sentence. Sections 9, 10, 11, 12, 13, and 14.
1857	XXII	The Bombay University Act, 1857.	In section 2, the word "said," wherever it occurs. In section 3, the first sentence and the words "Provided that." Section 6. Section 8, except the first sentence. Sections 9, 10, 11, 12, 13, and 14.
1857	XXVII	The Madras University Act, 1857.	In section 2, the word "said," wherever it occurs. In section 3, the first sentence and the words "Provided that." Section 6. Section 8, except the first sentence. Sections 9, 10, 11, 12, 13, and 14.

THE SECOND SCHEDULE—*contd.*

Year.	No.	Short title.	Extent of repeal.
1860	XLVII	The Indian Universities (Degrees) Act, 1860.	The whole Act.
1882	XIX	The Panjab University Act, 1882.	<p>Section 6.</p> <p>In section 7, sub-section (1). In section 8, in sub-section (1). the words after the word "Fellow" to the end of the sub-section and in sub-section (2), the words from the word "appointed" to the words "this Act."</p> <p>In section 9, the words "under this Act."</p> <p>Sections 10 and 11.</p> <p>Section 12, except the last paragraph.</p> <p>Sections 13, 14, 15, 16, and 18.</p> <p>In section 20, the words "made or," "section 6, clauses (b) and (c), and" and "under sections 14, 15, and 16."</p> <p>In the Schedule, Part I.</p>
1884	I	The Indian Universities (Honorary Degrees) Act, 1884.	The whole Act.
1887	XVIII	The Allahabad University Act, 1887.	<p>Section 5.</p> <p>In section 6, sub-section (1). In section 7, sub-section (1) and in sub-section (2), the</p>

THE SECOND SCHEDULE—*concl'd.*

Year.	No.	Short title.	Extent of repeal.
			words after the word " Fellow " to the end of the sub-section. Sections 10, 11, 12, 13, 14, 15, and 17. In section 20, the words and figures " appointments made and," " under section 5, sub- section (1), clauses (b) and (c)," " under sections 14 and 15 " and " under section 17." In the Schedule, Part I.

V. REGULATIONS.

PRELIMINARY REGULATIONS.

All Statutes, Rules and Regulations heretofore in force are hereby cancelled.

Provided that with the exception of the examination for the Degree of Bachelor of Teaching, of the examination in the Faculty of Law, and of any Examination for the Degree of Doctor, no examination shall be held under these Revised Regulations, Part 4, XII, until the year 1908, but examinations shall continue to be held under the old Regulations, pages 53 to 122, pages 127 to 143, pages 145 to 161, pages 185 to 211, and pages 215 to 236 of the Panjab University Calendar (Edition for 1904-05) until the year 1908.

Provided further that any person who has joined the Law College at any time previous to the 1st October, 1905, may be examined under the old Regulations, pages 164 to 173 of the Panjab University Calendar (Edition for 1904-05) relating to the Preliminary Examination in Law, the First Certificate Examination, the Licentiate in Law Examination, and the Examination for the Degree of Bachelor of Laws, if such person appear not later than the month of December in the year 1908. *Exception.*—Regulation 7 on page 165, Regulation 7 on page 167, Regulation 7 on page 171, and Regulation 8 on page 172, shall be deemed to be cancelled on the 1st April, 1906.

PART I.—CONSTITUTION.

I.—ELECTION OF ORDINARY FELLOWS.*

1. Once in every year, on such date as the Chancellor may appoint in this behalf, there shall, if necessary, be an election to fill any vacancy among the Ordinary Fellows to be elected by Registered Graduates.

2. No person unless his name is borne on the Register of Graduates shall be qualified to vote or to be elected at any election held under Regulation (1).

A.—REGISTER OF GRADUATES.

3. The Registrar shall be the authority responsible for the preparation of Register of Graduates.

4. The Registrar shall, at least six weeks before the date fixed for election, cause a notice to be issued in the Local Government Gazette notifying the date on which an election is to take place calling upon the Registered Graduates to co-operate in the preparation and revision of the Register of Graduates. A copy of the notice shall also be posted up at the Hailey Hall, Lahore.

5. The Syndicate shall maintain a register, on which any graduate of the Panjab University, who has—

(a) taken the degree of Master or Doctor in any Faculty, or

(b) graduated in any Faculty not less than ten years before registration,

shall be entitled to have his name entered and retained subject to the regulations following.

* Regulations under Section 25, sub-section (2), clause (a) of the Indian Universities Act.

6. Any graduate satisfying the conditions of Regulation 5—who wishes to have his name entered on the Register, shall fill up a form of application, obtainable from the Registrar and shall forward the same to the Registrar along with the initial fee of rupees ten, and either the first annual fee of rupees two or a composition fee of rupees fifteen. The Registrar shall thereupon cause his name to be entered on the Register provided that his application form and fees have been received by the Registrar not more than one year from the date on which he becomes entitled to registration under Regulation 5. The date on which a graduate has taken a degree or graduated in any Faculty shall be the date on which he is admitted to the degree. All applications for fresh enrolment shall continue to be received up to 15 days before the date of election after which date no application shall be entertained on any account.

7. Any graduate who is entitled to registration under Regulation 5, but fails to apply for the same before the expiry of the period specified in Regulation 6, shall, in order that his name may be entered on the Register, pay in addition to the fees prescribed in Regulation 6 an additional fee of rupees ten.

8. Every Registered Graduate who has not compounded for his annual fee, shall pay an annual fee of rupees two, not later than the 31st of December of each calendar year. Should any such Registered Graduate fail to pay the annual fees on or before the prescribed date, his name shall be removed from the Register, but it may be re-entered thereon on payment of all arrears of annual fees provided that the payment is made at least 15 days before the date of election.

9. Any graduate, at any time while his name is on the Register, shall become entitled to the retention of his name on the Register for life by completing the payment to the Registrar of a composition

fee of rupees twenty-five including what he has already paid as initial fee and annual fee.

10. Printed copies of the preliminary Register of Graduates shall be made available to Registered Graduates on payment of a fee of Rs. 2 at least 30 days before the date of election.

11. The Registrar shall publish the preliminary Register of Graduates by causing a copy of it to be posted in the Hailey Hall, Lahore, at least 30 days before the date of election. All claims and objections shall be received and scrutinised by the Registrar up to fifteen days before the date of election. The Registrar shall be the Revising Authority and his decision in all cases shall be final.

12. The supplementary Register of Graduates shall be made available at least ten days before the date of election, after which date no additions or modifications shall be made in the Register.

13. The Register of Graduates shall bear the date of its publication.

14. Registered Graduates shall notify to the Registrar every change of their address.

• B.—ELECTION OF ORDINARY FELLOWS BY
REGISTERED GRADUATES.

The following procedure shall be observed at elections of Ordinary Fellows by Registered Graduates under Section 7 of the Indian Universities Act:—

- (i) When any Ordinary Fellows are to be elected by the Registered Graduates, the Registrar shall circulate a notice to every Registered Graduate resident in India, stating the number of vacancies, and that candidates should be nominated for election within a time to be named in the notice. Such time shall be not less than a fortnight from the date of issue of the notice.

- (ii) The nomination of every candidate shall be by a Registered Graduate, supported by another Registered Graduate, and forwarded to the Registrar. Each Registered Graduate shall be entitled to nominate as many persons for election as there are vacancies.

The candidate proposed shall sign his Nomination Form as a token of his consent to stand for election.

- (iii) At least seventeen days before the date of the election, the Registrar shall send under a registered cover to every Registered Graduate resident in India on the address as given in the Register of Graduates a list of candidates duly nominated, a voting paper sealed with a prescribed seal after noting on its counterfoil the number of the Elector on the Register of Graduates with a covering letter containing a statement of the date appointed by the Chancellor for the election, and of the hours between which votes may be recorded.
- (iv) The election shall not be invalidated because an Elector to whom a voting paper has been duly forwarded failed to receive it in time to enable him to return it to the Registrar not later than the day prescribed.
- (v) Each Elector shall be entitled to as many votes as there are vacancies, but he shall not record more than one vote for any one of the candidates. If more than one vote be recorded by any Elector for the same candidate such votes shall be reckoned as one vote. If the Elector records more votes than the number of vacancies, his votes shall be cancelled by the Registrar.
- (vi) The Syndicate shall appoint two members of

the Senate to co-operate with the Registrar in the supervision of the election.

- (vii) If an Elector has dealt with a voting paper in such a manner as to render it invalid, he may deliver it to the Registrar who shall mark on it the words "Returned spoiled." He shall then furnish the Elector with the voting paper next to be issued from the bound volume of voting papers and shall note on the counterfoil of the voting paper so furnished that it was furnished in substitution for a spoiled paper returned of which the serial number shall be stated in the note.
- (viii) Electors resident in Lahore* shall mark the voting paper in favour of the candidate for whom they decide to vote at the Hailey Hall on the day and within the hours notified in accordance with clause (iii) in the presence of one of the two members of the Senate appointed by the Syndicate in accordance with clause (vi), or the Registrar, and put it into an envelope bearing no mark outside and close the envelope and place that envelope with a covering letter in a second envelope and deliver the envelope and the covering letter to the Registrar or the member of the Senate who shall cause it to be deposited in a ballot box, provided that no account will be taken of the voting paper in the closed envelope unless the covering letter which accompanies it bears on it the signature and the serial number of the Elector and

* An Elector ordinarily resident in Lahore, who is not in Lahore at the time of the election, could be regarded for this purpose as an Elector not resident in Lahore (*Syndicate*, 16th February, 1911).

is countersigned by the Registrar or a member of the Senate appointed under clause (vi). No such voting paper shall be received after the expiry of the time notified in accordance with clause (iii).

- (ix) Electors not resident in Lahore shall fill in their voting paper in the manner prescribed in clause (viii) above in the presence of a Magistrate of rank not lower than that of a Magistrate of the second class, provided that no account will be taken of the voting paper in the closed envelope unless the covering letter which accompanies it bears on it the signature and the serial number of the Elector and is countersigned by a Magistrate (of rank not lower than that of a Magistrate of the second class) who shall authenticate the covering letter with his signature and designation. In case of an Elector residing in a Native State, the covering letter in the closed envelope shall be signed in the presence of a Magistrate of the Native State, whose signature shall be authenticated by the counter-signature of the Chief Judge of the Native State, or of a Political Officer not lower in rank than an Assistant Political Agent. The Elector shall thereupon forward the voting paper in a registered cover addressed to the Registrar so as to reach him not later than the day and hour notified for the closing of the ballot. The Registrar shall, as soon as possible after the receipt of such voting papers, deposit them in the ballot-box. Any such voting paper received later than the closing of the ballot and any voting paper received with a forwarding letter unsigned or not properly authenticated or otherwise than by

Registered Post shall be regarded as invalid.

- (x) On the day and on the expiry of the time notified in accordance with clause (iii) the members of the Senate appointed in accordance with clause (vi) shall open the ballot-box, scrutinise the voting papers rejecting those which do not fulfil the conditions of these regulations and shall count the votes recorded.
- (xi) After the scrutiny is completed, the names of the persons elected shall be forthwith submitted to the Chancellor for approval and if approved, shall be published in the *Panjab Gazette*.
- (xii) In the event of an equality of votes between any two or more persons, their names shall be reported to the Chancellor with whom the final selection shall rest.

C.—BY THE FACULTIES.

7. The following procedure shall, subject to the provisions of Sections 6 and 9 of the Indian Universities Act of 1904, be observed at elections of Fellows by the Faculties :—

- (i) When an Ordinary Fellow is to be elected by a Faculty, the Registrar shall circulate to all members of that Faculty resident in India a notice setting forth the directions (if any) given by the Chancellor under Section 9, sub-section (2), of the Indian Universities Act of 1904, and stating that candidates should be nominated in accordance with such directions, if any, within a time to be named in the notice. This time shall not be less than a fortnight from the date of the issue of the notice.

- (ii) Every nomination of a candidate shall be made by a member of the Faculty supported by another member of the Faculty and forwarded to the Registrar. The members nominating a person for election shall certify that they have ascertained that he is willing to be elected.
- (iii) The Registrar shall prepare a list of candidates duly nominated and send it to all members of the Faculty resident in India, stating the date appointed by the Chancellor on which the election will take place.
- (iv) The election shall take place at the meeting of the Faculty upon the date so appointed, and the voting shall be by ballot.

A fresh vote shall be taken when an equality of votes makes this necessary. In case of equality after a second vote, the Chairman shall have a casting vote.
- (v) The name of the person elected shall be forthwith submitted to the Chancellor for approval, and if approved, shall be published in the *Panjab Gazette*.

8. Of the five Ordinary Fellows to be elected by the Faculties, one shall be elected by each of the five Faculties. As each of the five Ordinary Fellows appointed under clause (f) of Section 12 of the Indian Universities Act of 1904 ceases to be a Fellow, his successor shall be elected by that Faculty by which he was nominated for appointment.

II.—FACULTIES.*

1. In these Regulations the expression "member of a Faculty" includes a member added to the number of a Faculty under Section 14, sub-section (2), clause (b), of the Indian Universities Act of 1904.

2. There shall be eight Faculties, namely, (1) Oriental Learning, (2) Arts, (3) Law, (4) Medicine, (5) Science, (6) Agriculture, (7) Commerce, and (8) Engineering.

3. Fellows shall be assigned to the several Faculties by order of the Senate, with reference to their special qualifications after considering the recommendations made by the Syndicate in this behalf. The lists of Fellows assigned to the several Faculties shall be revised annually.

4. The Vice-Chancellor shall be deemed to be *ex-officio* a member of every Faculty.

5. Each Faculty shall appoint its own Dean in November or December of each year to take office from the 1st January following. The Syndicate may from time to time determine the Faculties of which the Assistant Registrar shall act as Secretary. The other Faculties shall appoint the Secretary at the time of appointing the Dean.

Should a vacancy in the above offices occur during the year, it shall be filled by the Faculty concerned and the new officer shall continue to act until the next annual election.

6. The Fellows assigned to each Faculty may add to their number Graduates in that Faculty and other persons possessing special knowledge of the subjects of study represented by that Faculty.

Provided that the number of persons so added to the Faculty shall not exceed half the number of Fellows assigned to that Faculty.

* Regulations under Section 25 (2) (b) and (c), and Section 14 (2)(b) of the Indian Universities Act.

7. The nomination of every person for addition to a Faculty shall be made by a Fellow assigned to that Faculty, supported by another such Fellow and forwarded to the Registrar at least ten days before the date of meeting. Such Fellows shall certify that they have ascertained that the nominee is willing to serve on the Faculty for which he is proposed.

The Registrar shall cause this proposal to be circulated not less than seven days before the meeting at which it will be considered.

8. A meeting of the Fellows assigned to each Faculty shall be held in the first half of March to elect added members. The number of members added to a Faculty at this meeting shall not exceed one-quarter of the number of Fellows assigned to that Faculty. Another meeting of such Fellows shall be held in *November at which vacancies may be filled.

9. A person so nominated shall be duly elected if he receives at least one-half of the votes of the Fellows present, provided that the number of Fellows taking part in such election shall not be less than the quorum prescribed for that Faculty in Regulation 13.

Provided that if on a vote being taken, there remain one or more vacancies, a second vote may be taken to fill these vacancies if a majority of the Fellows present so desire. A person elected to a Faculty in March shall become an added member of that Faculty on the 15th April following, and shall cease to be a member on the 15th April two years later. A person elected in November shall become an added member at once, and shall cease to be a member of the Faculty on the fifteenth day of April in the second year following.

* The number of vacancies is to be determined by subtracting the number of available added members elected in March of the year from one-quarter of the number of Fellows assigned to the Faculty (*vide* paragraph 9 of the *Syndicate Proceedings*, dated the 6th November, 1926).

In either case such person shall be eligible for re-election.

10. An Added Member of a Faculty who leaves the territorial jurisdiction of the University for the remaining period of his term shall be considered as having vacated his seat.

11. The Vice-Chancellor, and in his absence the Dean, shall be Chairman at all meetings of the Faculty. In the absence of Vice-Chancellor and Dean the members present at each meeting shall elect a Chairman. At a meeting of two or more Faculties the Vice-Chancellor, if present, shall preside; in the absence of the Vice-Chancellor the members present at such meeting shall elect a Chairman.

12. Meetings of the members of each Faculty shall be convened by the Secretary of the Faculty, as occasion may require, or as the Dean may direct. Notice of meetings of any Faculty shall be given to the members of the Faculty, provided that the proceedings at any meeting shall not be invalidated because a member did not receive notice of the meeting.

13. Eight members shall form a quorum at meetings of the Arts Faculty, seven of the Oriental Faculty, five at meetings of the Law Faculty and of the Science Faculty, and four at meetings of the Medical Faculty, the Agricultural Faculty, the Commercial Faculty, and of the Faculty of Engineering. At a meeting of more than two Faculties and at a meeting of the Arts and Oriental Faculties ten members, and at a meeting of any other two Faculties eight members, shall form a quorum.

The order of speaking and conduct of business at meetings shall be regulated by the Chairman, and, in the absence of any regulation to the contrary, all matters shall be determined in accordance with the vote of the majority of members present, and, when the votes are equal, the Chairman shall have a casting vote. Copies of proceedings at all meetings of Faculties shall be sent forthwith to the Registrar, who

shall lay them before the Syndicate for submission to the Senate.

14. Each Faculty shall, subject to what is stated in the proviso below, from time to time, report on the courses of study to be followed by candidates for examinations of the University, other than the Matriculation and School Leaving Certificate Examination; on the Examinations to be passed and the other conditions to be fulfilled by candidates for Degrees, Diplomas, Titles, Licenses and marks of favour and on any question referred to it by the Syndicate or Academic Council.

The recommendations of the Faculties of Oriental Learning, Arts and Science on the Courses of Reading, the Syllabuses and the outlines in each paper for the examination in those Faculties shall be reported to the Academic Council, which shall have power to sanction them, but shall not alter them without referring them back to the Faculty for reconsideration. Provided that if any proposals of the Faculty involve additional expense to the University, the approval of the Academic Council shall be subject to the sanction of the Syndicate.

Similar recommendations of other Faculties shall be reported to the Syndicate, which shall have power to sanction them but not to alter them without first referring them back to the Faculty concerned.

The recommendations of the School Board relating to the Courses of Reading, Syllabus and outline in each paper for the M. & S.L.C. Examinations shall be circulated without delay to the members of the Faculty concerned and shall be reported to the Syndicate thirty days after the receipt of the proceedings of the Board, together with any objections made by a Faculty in a special meeting convened for this purpose at the request of five members of the Faculty.

If no objection has been received from any Faculty the Syndicate shall have power to sanction the pro-

posals of the Board, but shall not alter them without referring them back to the Board for reconsideration.

If an objection has been received from a Faculty, the School Board shall have an opportunity to meet the objection, after which the Syndicate shall have power to decide the matter.

III.—THE SYNDICATE.*

CONSTITUTION AND PROCEDURE.

1. The executive government of the University shall be vested in the Syndicate, which shall consist of the Vice-Chancellor as Chairman, the Director of Public Instruction, Panjab, and fifteen *ex-officio* or Ordinary Fellows who shall be elected for one year by the several Faculties in the following proportion:—

Four	by the Faculty of Oriental Learning.
Four	„ „ „ of Arts.
Two	„ „ „ of Law.
Two	„ „ „ of Medicine.
Three	„ „ „ of Science.

A new Syndicate shall be elected in November of each year, and its year of office shall commence from the 1st January following.

1-A. The Fellows assigned to each Faculty, except the Agricultural Faculty, Commercial Faculty and the Engineering Faculty shall, at an annual meeting in November, elect from their number Syndics to represent that Faculty, and shall each be entitled to vote for as many candidates as there are Syndics to be elected.

Each candidate shall be proposed and seconded. The voting shall be by ballot. A fresh vote shall be taken when an equality of votes makes this

* Regulations under Section 25 (2) (b) and (c), Section 15 (1) (c) and Section 15 (2) of the Indian Universities Act.

necessary. If the votes are equal after a second vote is taken, the Chairman shall have a casting vote.

2. At least two of the Syndics elected by the Arts Faculty, at least two elected by the Oriental Faculty, at least two elected by the Science Faculty, and at least one elected by the Medical Faculty, shall be Heads of, or Professors in, affiliated Colleges.

3. Should a vacancy occur in the Syndicate during the year, it shall be filled by the election of a new member by the Fellows assigned to the Faculty, whose representative has ceased to act on the Syndicate, and the new Syndic shall continue to act until the next annual election.

4. The duties of the Syndicate shall be—

- (1) To submit from time to time for the orders of the Senate recommendations regarding the following matters:—

The affiliation and disaffiliation of Colleges;

the appointment of University Readers, Lecturers, or Professors;

the staffs of the Oriental, Law and Commerce Colleges;

the appointment of the Registrar and Assistant Registrar;

the grant of degrees, diplomas, oriental literary titles, licenses, marks of honour, and rewards for the encouragement of literature.

- (2) To consider and report upon matters to be submitted to the Senate, subject to what is stated in Regulation 5 below;

- (3) To carry on the current business of the University, and generally to carry out the provisions of the Act of Incorporation, the Indian Universities Act of 1904, the Regulations of the University, and orders of the Senate.

- (4) To appoint Examiners in accordance with Rules approved by the Senate and to submit list of Examiners so appointed to the Senate.

5. No proposal, except such recommendations of the Academic Council as in accordance with the Regulations are submitted by the Academic Council direct to the Senate, shall be submitted to the Senate until it shall have been first submitted to the Syndicate: Provided that, if a proposal submitted by a Faculty is not approved by the Syndicate, the resolution of the Syndicate, with that of the Faculty, shall be submitted to the Senate: Provided further that no matter affecting any Faculty shall be disposed of by the Academic Council, Syndicate or Senate without having been referred to the Faculty for opinion. In case of doubt the Vice-Chancellor shall decide what matter shall be referred under this rule to any Faculty.

6. As regards expenditure, the Syndicate shall have power to transfer sums (other than those voted for salaries, or given by the Donors for special objects), not exceeding Rs. 2,000, to increase the allotment for any one object for which provision has already been made, to transfer sums, not exceeding Rs. 2,000, to meet new expenditure on any one object for which no provision has been made and to sanction unforeseen expenditure not exceeding Rs. 2,000 in a year. All such transfers for the purposes of new expenditure and all such sanctions shall be reported at the next meeting of the Senate.

7. The Syndicate shall appoint annually Standing Committees to deal with cases of the alleged use of unfair means in connection with examinations, of deficiencies in attendances at lectures, and other matters affecting the discipline of students. When such Standing Committee is unanimous its decision shall be final. If the Standing Committee is not unanimous the matter shall be referred to the

Vice-Chancellor who shall either decide the matter or refer it to the Syndicate for decision.

8. The Syndicate shall, except in cases provided by Regulation 12 in Chapter II—Faculties, upon the recommendations of the Faculties, and subject to the approval of the Senate, from time to time, prescribe the courses of reading for the University examinations.

Provided that early in March every year, in the absence of the recommendations by the Faculties, the Syndicate, subject to the approval of the Senate, may prescribe the same courses of reading for the next year.

9. Meetings shall be convened by the Registrar as occasion may require or as may be directed by the Vice-Chancellor.

10. The Vice-Chancellor shall preside at all meetings of the Syndicate at which he may be present. In his absence the members present at a meeting shall elect a Chairman. The order of speaking and conduct of business shall be under the control of the Vice-Chancellor or Chairman.

11. Five members shall form a *quorum*, and the decision of the majority shall prevail. When the votes are equal, the Vice-Chancellor or Chairman shall have a casting vote.

12. All proceedings at meetings shall be recorded in writing and signed by the Registrar and countersigned by the Vice-Chancellor or Chairman. Any Fellow of the University shall be entitled to inspect in the University Office, during office hours, the proceedings at any meeting of the Syndicate.

IV.—THE SENATE.*

MEETINGS.

1. An ordinary meeting of the Senate shall be held not later than the month of November of each year, at which the accounts of the year shall be submitted. An ordinary meeting of the Senate shall be held not later than the month of March of each year, at which the Budget for the ensuing year shall be submitted.

2. The Senate shall meet in Convocation for the purpose of conferring such degrees, diplomas, oriental literary titles, licenses, and marks of honour, as have been previously sanctioned by the Senate on such date and time as may be fixed by the Chancellor or Vice-Chancellor from time to time in that behalf.

3. Such other ordinary meetings shall be held as may be convened by the Registrar under the direction of the Syndicate for the due disposal of business.

4. Should the Chancellor, the Vice-Chancellor, or six Fellows consider a special meeting of the Senate to be necessary, he or they shall inform the Syndicate, intimating the purpose for which such meeting is deemed to be necessary, who shall forthwith fix a date, and the Registrar shall circulate the notice of such date, together with the proposals to be discussed, to the Fellows of the University at least seven days before the date fixed for such meeting.

5. The Chancellor, or in his absence the Vice-Chancellor, shall preside at all meetings of the Senate at which he may be present; but in the absence of both the Chancellor and the Vice-Chancellor, the members present at a meeting shall elect a Chairman to preside at such meeting.

6. At a meeting of the Senate fifteen members shall form a *quorum*.

* Regs. under Section 25 (2) (b) of the Indian Universities Act.

MOTIONS AND AMENDMENTS.

7. Proposals submitted by the Syndicate, or, in accordance with the Regulations, by the Academic Council, for the decision of the Senate, and entered upon the notice of meeting, shall be dealt with as motions before such meeting without being proposed and seconded at such meeting.

Every other motion or amendment shall be reduced to writing and read out by the mover, and shall be delivered to the Registrar. Every such motion that is not seconded shall drop.

In the event of no member wishing to speak on the motion or in respect of any amendment, or after such discussion on any such motion or amendment as the Chairman considers sufficient, the Chairman shall proceed to put the question to the vote.

8. When there is an amendment, the amendment shall be first put to the vote; if the amendment is lost, and no further amendment is proposed, the original motion shall be put to the vote.

9. Should any amendment be carried, the proposal as amended shall be stated from the Chair, and may then be debated as a substantive proposal to which further amendments may be proposed and dealt with as hereinbefore provided. Not more than one amendment shall be taken to be before the meeting at any one time.

10. Any motion or amendment may be withdrawn if the mover states his wish to withdraw.

ORDER OF SPEAKING.

11. The Chairman shall control the order in which members may address the meeting, and the manner in which the business shall be conducted. No member shall address the meeting after the Chairman has called for a vote.

12. Members, when speaking, shall stand, and shall address the Chair. No member shall, without the

leave of the Chairman, speak more than once to any proposition.

VOTING.

13. On putting any question to the vote, the Chairman shall call for a show of hands *for* the affirmative or negative, and shall declare the result.

14. Any member may then demand a division, which shall be taken in such manner as the Chairman directs.

REGULATIONS.

15. In making Regulations under Section 25 of the Indian Universities Act, 1904, the following procedure shall be observed:—

- (i) The Syndicate shall, after framing any proposed Regulations, cause them to be printed and circulated to all Fellows of the University resident in India, and shall invite them to transmit their opinions thereupon to the Registrar by a date to be entered in the notice: such date shall allow not less than fourteen days from the date of the issue of the notice.
- (ii) On the date fixed in the notice, or as soon thereafter as is practicable, the Syndicate shall consider the replies received, and after making such alterations as to them may seem fit, shall submit the said Regulations in the usual manner to the Senate.
- (iii) After such Regulations have been passed by the Senate, they shall be submitted to Government for sanction.
- (iv) After the necessary sanction has been received, the Common Seal shall be affixed to the Regulations so made and sanctioned, and they shall be published in the *Panjab Gazette*.

- (v) All Regulations shall take effect from the date of such publication, unless any other date shall be named therein as the date upon which they are to come into force.

PROCEEDINGS.

16. The proceedings of the Senate shall be recorded by the Registrar, and shall be submitted to the Chairman of the meeting for approval and counter-signature, and shall then be published in the *Panjab Gazette*.

V-A.—BOARDS OF STUDIES.*

1. For the purposes of all examinations, except the Matriculation and School Leaving Certificate Examination, for the subject of Military Science and for the examinations in the Faculty of Commerce and in the Faculty of Engineering, there shall be Boards of Studies in the following branches of knowledge:—

(1) English; (2) Latin and Greek; (3) French and German; (4) Sanskrit and Hindi; (5) Arabic, Persian, Urdu, and Pashto; (6) Hebrew; (7) Panjabi; (8) Bengali; (9) Philosophy; (10) History and Geography; (11) Economics; (12) Mathematics and Astronomy; (13) Physics; (14) Chemistry; (15) Botany; (16) Zoology and Physiology; (17) Geology; (18) Teaching; (19) Law; (20) Medicine; (21) Agriculture; (22) Political Science.

Each Board shall consist of—

- (a) the University Professor or Professors, or if there is no University Professor of the University Reader or Readers, in the subject or subjects with which the Board is concerned *ex-officio*; and
- (b) Six members to be elected every alternate year in the manner laid down herein below; provided that on the recommendation of the

* Regs. under Section 25 (2) (d) of the Indian Universities Act.

Syndicate, the Senate may *increase the number of any Board from six to seven.

2. Boards of Studies shall be elected every alternate year in the first half of April and shall take office on the 15th April following: Provided that a person who has been elected in March to become an added member in April shall be eligible for election to Boards of Studies that April. Boards of Studies shall be elected in the following manner:—

- (i) The Dean of each Faculty shall fix a date or dates on which meetings of the Faculty will be held for the purpose of electing the Boards of Studies.
- (ii) All members of the Board for the previous term shall be eligible for re-election unless they have ceased to be members of the Faculty, and their names shall be put on the list of candidates, without being formally proposed, unless any such member notifies to the Registrar, at least 10 days before the date of election, his intention of not seeking re-election.
- (iii) Any member of any Faculty, who is not a member of the Board for the previous term, or any teacher teaching at least for half of his time the Degree Classes in the subject or subjects in the Faculty electing the Board, may be proposed as a candidate. All such proposals must reach the Registrar at least 10 days before the date of meeting, together with a statement of the qualifications of each candidate. It shall not be necessary to have these proposals seconded.

* The number of the members of the Board of Studies in English, History and Geography, and Agriculture, increased to seven (*vide Senate Proceedings*, dated the 12th December, 1925, 30th March, 1931, and 4th December, 1931, respectively).

- (iv) At least seven days before the date of election, the Registrar shall circulate to all the members of the Faculty—
- (a) A list containing the names of the members of the Board for the previous term showing the number of meetings attended by each of them during the term.
 - (b) A list containing the names and qualifications of the new candidates.
- (v) At the meeting of the Faculty votes for the candidates, whose names have been so circulated, shall be taken by ballot and those who secure the highest number shall be declared to have been elected. If the names proposed do not exceed the maximum number of the Board, then no meeting of the Faculty shall be held and the proposed candidates shall be declared, by the Dean of the Faculty, to be duly elected as members of the Board of Studies concerned.

2-A. Boards of Studies shall be elected by the Faculties as specified below:—

No.	Board.	Faculty.
1.	English ...	Arts.
2.	Latin and Greek ...	Arts.
3.	French and German ...	Arts.
4.	Sanskrit and Hindi ...	Oriental.
5.	Arabic, etc. ...	Oriental.
6.	Hebrew ...	Arts.
7.	Panjabi ...	Oriental.
8.	Bengali ...	Arts.
9.	Philosophy ...	Arts.
10.	History and Geography ...	Oriental and Arts.
11.	Economics ...	Arts.
12.	Mathematics and Astronomy ...	Arts and Science.
13.	Physics ...	Science.

<i>No.</i>	<i>Board.</i>	<i>Faculty.</i>
14.	Chemistry ...	Science.
15.	Botany ...	Science.
16.	Zoology and Physiology ...	Science.
17.	Geology ...	Science.
18.	Teaching ...	Arts.
19.	Law ...	Law.
20.	Medicine ...	Medical.
21.	Agriculture ...	Agriculture.
22.	Political Science ...	Arts.

At least half the number of the members of a Board of Studies in the Oriental, Arts and Science Faculties shall be teachers in the subject if such are proposed for election.

Each Board shall have power to fill up any vacancy that occurs during the term.

Each Board shall appoint its own Convener.

2-B. A member of the Board of Studies who leaves the territorial jurisdiction of the University for the remaining period of his term shall be considered as having vacated his seat.

3. At a meeting of a Board of Studies, three members, in the case of a Board consisting of five members, and four members, in the case of a Board consisting of more than five members, shall form a *quorum*.

4. The duties of each Board of Studies shall be to recommend Courses of Study and Reading, to frame, where necessary, Model Papers for the guidance of Examiners, to suggest to the Syndicate Examiners in its special subjects and to consider and determine in consultation with the Examiner all objections raised by candidates or by the Principal of any affiliated College to questions set at any examination held by the University: Provided that if the Board of Studies and the Examiner are not able to agree upon the course to be adopted, the decision of the Board of Studies shall be subject to the confirmation of the

Vice-Chancellor, and if the Vice-Chancellor does not confirm the decision of the Board, the matter shall be referred to the Syndicate, whose decision shall be final.

5. Each Board of Studies shall act as a consultative body in regard to all questions referred to it, and may bring to the notice of the Faculty or Faculties concerned any matters connected with the examinations in its special subjects.

Any Board of Studies in a subject included in the Matriculation and School Leaving Certificate Examination may bring to the notice of the School Board dealing with that examination any matters connected therewith.

Except as otherwise provided the Boards of Studies shall in all cases report to the Faculty or Faculties concerned.

6. No book shall be recommended by a Board of Studies unless on the written report of a member of the Board who has read it.

7. For the subject of Military Science the functions of a Board of Studies shall be discharged by a Committee consisting of five members appointed by the Syndicate from time to time.

8. The duties of a Board of Studies in the Faculty of Commerce shall be assigned to the Hailey College of Commerce Committee.

9. The duties of a Board of Studies in the Faculty of Engineering shall be assigned to the Faculty.

V-B.—SCHOOL BOARD.

1. For the purposes of the Matriculation and School Leaving Certificate Examination there shall be a School Board, which shall consist of:—

The Director of Public Instruction, Panjab (*ex-officio*) as chairman.

Four members to be elected by the Arts Faculty from among the members of that Faculty.

Two members to be elected by the Science Faculty from among the members of that Faculty.

Two members to be elected by the Faculty of Oriental Learning from among the members of that Faculty;

and Three members to be nominated by Government from among the members of any Faculty.

2. Ordinarily a new Board shall be appointed in November of each year, and its year of office shall commence from the 1st January following. If a member is absent from the University area for more than three consecutive months (except during the summer vacation) he shall cease to be a member of the Board. If any vacancy occurs among the elected members during the year, the Faculty concerned shall have power to elect a new member, who shall continue to act for the remainder of the year. Similarly Government may fill a vacancy among the nominated members.

3. At a meeting of this Board five members shall form a *quorum*.

4. The duties of this Board shall be to consider all questions relating to the Matriculation and School Leaving Certificate Examination, and to report thereon to the Syndicate. Provided that no matter affecting any Faculty shall be disposed of by the Syndicate without having been referred to the Faculty for opinion.

In particular and without prejudice to the generality of the foregoing it shall be the duty of this Board to recommend Courses of Study and Reading to be followed by candidates for the Matriculation and School Leaving Certificate Examination, to report on the conditions to be fulfilled and the tests to be passed by

candidates for Matriculation or School Leaving Certificates, to suggest to the Syndicate Examiners for this Examination, and to consider all recommendations with regard to this Examination by any of the Boards of Studies in particular branches of knowledge.

Also to consider and determine in consultation with the Examiner all objections raised by the Head Master of any recognised High School to questions set at the Examination.

(Provided that if the Board and the Examiner are not able to agree upon the course to be adopted, the decision of the Board shall be subject to the confirmation of the Vice-Chancellor and if the Vice-Chancellor does not confirm the decision of the Board, the matter shall be referred to the Syndicate, whose decision shall be final).

VI.—ACADEMIC COUNCIL.

1. There shall be an Academic Council, constituted as follows:—

- (a) The Dean of University Instruction, *ex-officio* Chairman.
- (b) The Principals of the Arts Colleges in Lahore which either contribute teachers to, or contain students undergoing, University teaching as defined in Regulation 3 below.
- *(c) The Principals of Mufassil Arts Colleges which either undertake University teaching as defined in Regulation 3 below, or undertake teaching in Honours in not less than three subjects.
- (d) The University Professors, including Professors maintained by the University, and

* The list of such Principals is to be prepared on the 1st January and revised on the 1st April each year (*vide* paragraph 15 of the *Syndicate Proceedings*, dated the 3rd January, 1930).

those designated by the Syndicate as Professors in any subject of University teaching.

- (e) Six teachers of Degree classes to be elected in the manner prescribed in Regulation 4 below.
- (f) Seven Fellows of the University to be elected by the Senate in accordance with Regulation 5 below.
- (g) Not more than two University Readers to be nominated by the Syndicate.
- (h) One Principal of such Arts Colleges as are affiliated for the Degree examination and not included in (b) and (c) above, to be elected by the Principals of such Colleges in the manner prescribed in Regulation 4 below.
- (i) Two Principals of Intermediate Colleges, to be elected by the Principals of such Colleges in the manner prescribed in Regulation 4 below.

2. The Syndicate shall appoint the Registrar or the Joint-Registrar, as Secretary of the Academic Council.

3. University teaching (for the purposes of this Chapter) shall include all teaching provided or organised by the University, including inter-collegiate teaching.

4. Any teacher of a Degree class in a College mentioned in clauses (b) and (c) of Regulation 1 shall be eligible for election to the Academic Council under clause (e) of Regulation 1, and eligible to vote. Provided that if such teacher teach also Intermediate classes for more than half of his time, he shall not be eligible.

Any Principal of an Arts College mentioned in (h) and (i) of Regulation 1 shall be eligible for election

to the Academic Council under clauses (h) and (i) of Regulation 1, respectively, and eligible to vote.

In the month of November every alternate year the Registrar shall arrange for the election of six such teachers and three such Principals as members of the Academic Council to take office on the first day of January following, and hold office for two calendar years.

Should a vacancy occur during the period of office defined above, it shall be filled by the election of a new member in the same manner as at a biennial election and the new member shall continue to act until the next biennial election.

The Syndicate shall from time to time frame rules for the holding of the election.

5. *Election of representatives of the Senate.*—At a meeting of the Senate in November of every alternate year there shall be an election, under clause (f) of Regulation 1, of seven Fellows as members of the Academic Council, to take office on the first day of January following, and hold office for two years. Provided that the first election shall be held within one month of these regulations coming into force and the term of the members thus elected shall expire on the thirty-first day of December, 1924.

Should a vacancy occur during the period of office defined above, it shall be filled by the election of a new member in the same manner as at a biennial election and the new member shall continue to act until the next biennial election.

6. The duties of the Academic Council shall be:—

- (1) To deal with University teaching as defined in Regulation 3 above, and to make proposals for the initiation of fresh developments.
- (2) To prescribe, subject to the approval of the Senate, and upon the recommendations of the Boards of Studies and the Faculties,

the Courses of Reading, the Syllabuses and the outline of tests in each paper for all the examinations in the Arts and Science Faculties other than the Bachelor of Teaching and the M. and S.L.C., provided that the Academic Council shall have power only to accept, reject, or refer back, but not to amend the recommendations of the Faculties, and provided further that no change in the subjects of examination or in the number of options shall be recommended to the Senate without the approval of the Syndicate.

Provided that in the event of difference of opinion between the Academic Council and a Faculty after the first reference the opinions of both the bodies shall be placed before the Syndicate for decision.

Provided further that early in April every year, in the absence of the recommendations by the Faculties, the Academic Council, subject to the approval of the Senate, may prescribe the same courses of reading for the next year.

- (3) To approve or reject any subject proposed for a thesis by a candidate for the Degree of Doctor in the Oriental, Arts and Science Faculties.
- (4) To recognise the examinations of recognised Universities as equivalent to the corresponding examinations of the University of the Panjab, excepting the M. & S.L.C. Examination.
- (5) To recommend to the Syndicate the creation of University teaching posts.
- (6) To advise upon all proposals put before the Syndicate for the creation or abolition of University teaching posts.

- (7) To advise the Syndicate on proposals of new expenditure on University Teaching.
- (8) To recommend to the Syndicate the making of grants to a department or Colleges which contribute to University Teaching.
- (9) To frame general rules for admission to classes under University Teaching.
- (10) To frame general rules dealing with the principles and methods of examination, as distinct from the actual conduct and supervision of examinations, and to frame general rules for the appointment of examiners.

The Academic Council shall not take any part in the selection or appointment of examiners.

- (11) To make proposals for consideration of the Syndicate for distribution of new grants by the Government to the University and to Colleges for the development of higher teaching, whenever the University is consulted by the Government on such matters.
- (12) To control the University Library; to frame rules regarding its use and to appoint a Library Committee under the general control of the Academic Council to manage the affairs of the Library.

The financial control of the University Library will continue in the hands of the Syndicate as at present.

- (13) To propose rules to the Syndicate for the award of Studentships, Scholarships, Exhibitions, Medals, etc., and to award them in accordance with such rules.
- (14) To promote research within the University and to require reports on such research from the persons employed thereon.

7. At a meeting of the Academic Council nine members shall form a quorum.

**PART II.—APPOINTMENT AND DUTIES OF
OFFICERS OF THE UNIVERSITY,
AND EXAMINERS, ETC.**

***VI-A.—REGISTRAR AND CONTROLLER OF
EXAMINATIONS. ETC.**

I.—Appointment and Salary.

1. The Senate may, from time to time, appoint any person to hold the office of Registrar, either substantively or as a temporary arrangement. In the case of a first substantive appointment, the term of office shall ordinarily be for a period of five years, unless the Senate shall otherwise direct.

In the case of a substantive appointment the Senate may, at any time, on giving six months' notice in writing, determine the appointment.

The terms of this Regulation shall also apply to any person holding the office of the Joint-Registrar when such appointment is, in the first instance, made after June, 1926.

2. The Senate may sanction the retention of any person holding the office of Registrar in that office after the expiry of the original term of five years, and in every such case such person shall be deemed to hold the appointment subject to the power of the Senate or of such person to terminate the engagement at any time after the expiry of six months' notice in writing given to the other.

3. The salary of the Registrar shall be such sum as the Senate may, at the time of making the appointment, fix in that behalf.

* Regulations under Section 25 (2) (c) of the Indian Universities Act.

II.—Duties.

4. The Registrar shall be the chief executive officer of the Senate and Syndicate, and shall have power to—

- (a) realise and receive all moneys due to the University, and sign and grant receipts for the same;
- (b) make all disbursements on account of the University authorised by the Senate or Syndicate, and sign such cheques and other instruments as may be necessary for that purpose;
- (c) conduct all correspondence relating to the University; and
- (d) do all other acts and things which may be necessary or expedient for carrying into effect the orders and resolutions of the Senate and Syndicate.

5. The Registrar shall maintain proper records of the proceedings of all meetings of the Senate and Syndicate, and of all Faculties and Sub-Committees thereof, and shall be responsible for the regular and correct maintenance of records of the correspondence and accounts of the University. He shall be the custodian of all property of the University and shall have charge of its records and library.

6. The Registrar shall issue the notices convening all meetings of the Senate and Syndicate, and of all Faculties or Sub-Committees thereof.

7. The Registrar shall be responsible for the arrangements connected with the conduct of all examinations held under the authority of the Senate, including the proper printing and issue of examination papers and all other matters connected therewith.

8. The Registrar shall be responsible that adequate information is regularly supplied to the Senate and Syndicate in order that the provisions of the Panjab University Act, 1882, and the Indian Universities

Act of 1904, and of all regulations made thereunder, may be duly carried into effect.

9. The Common Seal of the University shall remain in the custody of the Registrar. It shall be the duty of the Registrar, under the orders of the Senate, to affix the Common Seal to Regulations, Degree Certificates, and other documents to which such Common Seal is required to be attached.

10. The Registrar shall discharge all such other duties as may be required of him by the provisions of the Act of Incorporation and the Indian Universities Act of 1904, by any of the Regulations of the University or by the Senate or Syndicate.

11. The Registrar shall discharge his duties under the immediate direction of the Syndicate and the general control of the Senate.

12. In addition to the Registrar, the Senate may from time to time appoint any person to hold the office of Controller of Examinations, either substantively or as a temporary arrangement to perform the duties of the Registrar under Regulation 7 above in regard to the arrangements connected with the conduct of all examinations held under the authority of the Senate and the Syndicate may assign to the Controller of Examinations such other duties and functions of the Registrar as it may from time to time think proper.

13. The Controller of Examinations shall in the discharge of the duties and functions assigned to him be under the immediate direction of the Syndicate and general control of the Senate.

14. The appointment of the Assistant Registrar and of the Assistant Controller of Examinations by the Syndicate shall be subject to the confirmation of the Senate.

15. The duties of the Assistant Registrar and of the Assistant Controller of Examinations shall be from time to time defined by the Syndicate.

16. The Syndicate may, in the absence of the Registrar on leave or otherwise, assign such of his

duties to any officer of the University as it may think proper as a temporary arrangement.

III.—Dean of University Instruction.

17. The Senate may from time to time appoint any person to hold the office of Dean of University Instruction either substantively or as a temporary arrangement.

VI-B.—REGULATIONS RELATING TO THE
APPOINTMENT, REMOVAL AND CONTROL
OF, THE GRANT OF LEAVE TO, AND THE
MAKING OF PROVISION FOR THE
RETIREMENT OF OFFICERS
AND SERVANTS OF THE
UNIVERSITY.

I.—Preliminary.

1. For the purposes of these Regulations there shall be two classes of officers, namely—

Class A—Officers drawing a salary of not less than rupees two hundred and fifty per mensem;

Class B—Officers drawing a salary of less than rupees two hundred and fifty, but of more than rupees forty-five per mensem.

All other employés of the University are hereinafter referred to as servants.

2. In these Regulations—

(a) “service” means the whole period of continuous service including periods spent on leave;

- (b) "active service" means the time spent—
- (i) on duty;
 - (ii) on subsidiary leave;
 - (iii) on recognised vacation, provided that the officer or servant is not absent on furlough or extraordinary leave during the period of such vacation;
- (c) "salary" means the amount of the monthly pay and allowances granted by the University to any officer or servant;
- (d) "average monthly salary" means the salary which any officer or servant has earned during so much of his active service as is within three years preceding the day on which he proceeds on leave, divided by the number of months on which the calculation is made; and
- (e) "furlough" means leave other than privilege leave, vacation, extraordinary leave, and leave on medical certificate;
- (f) terms not expressly defined in these Regulations shall bear the same interpretation as they bear in the Civil Service Regulations.

**II.—Appointment, removal and control.*

3. Save as may be otherwise provided in the Regulations, the appointment to, and removal from office of officers and servants of the University shall, in the case of—

- (a) officers of Class A—rest with the Senate;
- (b) officers of Class B—rest with the Syndicate.

Provided that no officer of Class B shall be appointed unless his post is provided for in

* For Rules re. applications and appeals from officers in Class B, see paragraph 35 of the *Syndicate Proceedings*, dated the 3rd May, 1929.

the budget and no such officer shall be appointed on a salary higher than that provided in the budget, except with the sanction of the Senate in either case.

- (c) servants—rest with the Head of the Institution to which they are attached; subject to the control of the Syndicate.

Provided that the appointment and leave to, and removal from office of, the members of the clerical staff holding sanctioned posts with a maximum salary of Rs. 100 per mensem shall rest with the Vice-Chancellor. In the event of dismissal the person affected may appeal to the Syndicate whose decision shall be final.

4. The salary and the conditions of service of every officer and servant shall be such as the Senate may, either in any particular case or by general direction given in that behalf, prescribe.

5. Officers and servants shall be under the control of the authority specified in the Regulations relating to such officers and servants.

III.—Leave in the case of officers of Class A.

6. Leave under the following regulations may be granted to officers of Class A by the Senate. The grant of furlough and extraordinary leave is subject to the condition that it can be granted without detriment to the business of the University.

7. During the regular annual University vacation an officer may be absent from Lahore, provided that arrangements to the satisfaction of the Vice-Chancellor are made for carrying on the duties of his office during his absence.*

8. If, owing to the requirements of the University, an officer is in any year prevented from enjoying the

* University Readers are entitled to three months' summer vacation (*Syndicate Proceedings*, dated 22nd April, 1927, paragraph 2).

whole or any part of the annual vacation, he may be granted privilege leave on full pay, in lieu thereof, for such period not exceeding one month for a year, subject to a maximum of four months at a time, as the Senate may determine.

9. The furlough earned shall be deemed to be one-ninth of an officer's active service, provided that—

- (a) furlough may not be granted until the officer applying for it has completed $4\frac{1}{2}$ years' active service;
- (b) furlough may not be granted again until the expiry of three years from the date of such officer's last return from furlough;
- (c) not more than two years' furlough may be granted at one time;
- (d) not more than six months' furlough may be granted to an officer after he has attained the age of retirement in respect of his previous service;
- (e) not more than six months' furlough for any period of service after the age of 55 years.

Provided that officers who have attained the age of retirement before 30th September, 1926, may be granted six months' furlough at the time of retirement.

Furlough may be granted in combination with vacation or privilege leave.

10. Leave on medical certificate may be granted to an officer at any time, subject to such limitations and conditions as the Senate may, in each instance in which such leave is applied for, determine.

11. Furlough and leave on medical certificate taken in India shall be reckoned from the date on which the officer quits his office to the date on which he re-assumes office. Furlough and leave on medical certificate taken out of India shall be reckoned from the date of embarkation at the port of departure from India

to the date of debarkation at the port of arrival on return to India.

12. In the case of furlough or leave on medical certificate taken out of India, subsidiary leave, not exceeding ten days on any one occasion of taking such subsidiary leave, may be granted to the officer for the interval between the date of his quitting his office and the date on which he embarks at the port of departure from India and the interval between his landing in India and rejoining his appointment.

13. The monthly allowance to be granted to an officer while on subsidiary leave and furlough shall be a sum equal to half his average monthly salary, payable for the period spent out of India, at the current rate of exchange. In the case of an officer taking leave on medical certificate, the rate of the monthly allowance (if any) to be granted to him shall be such as the Senate may, in each instance, determine, but shall not exceed the rate allowable in the case of furlough.

14. Leave allowances shall be payable monthly, if payment is made in India, and quarterly, if in England.

15. If the officer overstays his leave, he shall forfeit all his salary during the time of his remaining so absent; and if he overstays his leave for more than one week, his office shall be liable to be declared vacant.

16. The Senate may, in its discretion, for any special reason, grant to an officer extraordinary leave of absence, but such leave shall be without pay, and shall not in any case exceed six months, or be granted more than once in the whole course of the officer's service.

17. An officer, holding permanently a teaching post in the University, provided the appointment is not made for a fixed period, and the officer has served in that capacity for a period of not less than five years, desiring to prosecute higher study abroad, may be granted leave on three-quarters of his pay for a period

or periods not exceeding one year in all during his service, provided he spends that period in study or research at a University or other institution out of India under conditions approved by the Syndicate.

In the case of an officer retiring from, or otherwise leaving, the service within three years of the expiry of the leave, an amount equivalent to what that officer has drawn as study leave allowance shall be forfeited and the study leave shall be converted into furlough to the extent of the furlough standing to his credit at the date of retiring from, or leaving, the service.

This leave may be combined with vacation or furlough, or both, but shall not count as service for furlough or any other leave.

IV.—Leave in the case of officers of Class B.

18. Leave under the following Regulations may be granted to officers of Class B by the Syndicate. The grant of all leave is subject to the conditions that it can be granted without detriment to the business of the University.

*19. If any officer of Class B is permitted by the Syndicate to be absent during the annual University vacation, such officer shall not be entitled to privilege leave. Any such officer who is not permitted by the Syndicate to be absent during such vacation, may be granted privilege leave not exceeding one month after eleven months, two months after twenty-two months and three months after thirty-three months' continuous active service. Full pay may be granted to an officer while on privilege leave. Such leave may be combined with furlough or leave on medical certificate.

* If an employee gets less than a month of the vacation, he would be entitled to leave for the period necessary to make up full month (*Syndicate Proceedings*, dated the 18th May, 1928, paragraph 23).

20. The furlough earned shall be deemed to be one-twelfth of an officer's active service, provided that—

- (a) furlough may not be granted until the officer applying for it has completed six years' active service;
- (b) furlough may not be granted again until the expiry of six years from the date of such officer's last return from furlough;
- (c) no officer shall earn more than two years' furlough in the whole of his service;
- (d) not more than six months' furlough may be granted to an officer after he has attained the age of retirement in respect of his previous service;
- (e) not more than six months' furlough for any period of service after the age of 55 years.

Provided that officers who have attained the age of retirement before 30th September, 1926, may be granted six months' furlough at the time of retirement.

Provided further that proviso (c) shall not be applied to any officer who has already earned more than two years' furlough by the 1st April, 1917.

21. Leave on medical certificate may be granted to an officer at any time, subject to such limitations and conditions as the Syndicate may, in each instance in which such leave is applied for, determine.

22. Furlough and leave on medical certificate shall be reckoned from the date on which the officer quits his office to the date on which he re-assumes office.

23. The monthly allowance to be granted to an officer while on furlough shall be a sum equal to half his average monthly salary. In the case of an officer taking leave on medical certificate, the rate of the monthly allowance (if any) to be granted to him shall be such as the Syndicate may, in each instance, determine, but shall not exceed half his average monthly salary for the first six months of such leave, or

one-quarter of his average monthly salary for any longer period.

24. If the officer overstays his leave, he shall forfeit all his salary during the time of his remaining so absent, and if he overstays his leave for more than one week, his office shall be liable to be declared vacant.

24-A. In the case of the members of the clerical staff holding sanctioned posts with a maximum salary of Rs. 100 per mensem the powers assigned to the Syndicate shall be exercised by the Vice-Chancellor.

V.—Leave in the case of servants.

25. The grant of leave to servants and the remuneration to be granted to such servants while on leave shall be in the discretion of the Head of the Institutions to which he is attached, subject to the control of the Syndicate.

**VI—Provision on retirement.*

26. A provident fund, to be called the 'Panjab University Provident Fund,' shall be established on and from the first day of April, 1906, for the benefit of the officers and servants of the University.

27. Every whole-time officer of the University appointed after the first day of April, 1906, shall, as a condition of his service, be required to become a depositor in the Panjab University Provident Fund. The Syndicate may, at the time of appointment, allow, as a special case, any part-time officer to become a depositor in the fund. Any servant of the University may become a depositor in the said fund.

* The word 'salary' does not include the house allowance for purposes of deduction to be made towards the Provident Fund (*vide* paragraph 6 of the *Syndicate Proceedings*, dated the 12th May, 1933).

*28. The subscription to the fund shall, in the case of an officer or servant whose salary is rupees five hundred per mensem or less, be ten per cent. on the salary of the depositor, and in the case of an officer whose salary is more than rupees five hundred per mensem, be ten per cent. for the first rupees five hundred of his salary and five per cent. on the amount by which his salary exceeds rupees five hundred. Such subscription shall be deducted month by month from the salary of each depositor by the Registrar or other officer of the University whose duty it is to pay such salary, and the amount deducted shall be paid into the University Funds to the credit of the depositor. In any case in which the amount of the percentage to be so deducted would be less than one rupee, one rupee shall be so deducted.

29. At the end of each half year a sum equal to the aggregate amount subscribed to the fund during such half year shall be contributed to the fund by the University and subject to the conditions contained in the proviso to this regulation: such portion of the amount so contributed as shall be equal to the amount deposited by each subscriber during the half year for which such contribution was made, shall be placed to the credit of the depositor:

Provided that no officer or servant of the University who shall, in the opinion of the Syndicate, be guilty of dishonesty or other gross misconduct, and has been consequently dismissed from his employment, shall be entitled to the benefit of, or to receive any part or share in, any sums at any time contributed by the University to the fund on his account or the accumulated interests or profits thereof, and that the University shall be entitled to recover, as the first

* Provident Fund contributions to be made on the full salary and not on the leave allowances for the period that an employee is on leave or furlough (paragraph 24 of the *Syndicate Proceedings*, dated the 3rd May, 1929).

charge, from the amount for the time being at the credit of any officer or servant, a sum equivalent to the amount of any loss or damage at any time sustained by the University by reason of his dishonesty or negligence, but not exceeding in any case the total amount of contributions credited to his account by the University and of any interests or increment which has accrued on such contributions.

Provided further that no officer or servant shall be entitled to receive any part or share in any sums contributed by the University to the fund and any interest and increment which has accrued on such contributions where he has resigned employment within one year of the commencement thereof, unless he has established to the satisfaction of the University that his retirement is necessitated by incapacity for further service.

30. The University will pay interest on all sums deposited in the fund at a rate* not less than the lowest rate payable on any issue of Government Promissory Notes, and the amount of such interest shall be half-yearly placed to the credit of each depositor.

31. The Registrar shall cause to be maintained proper accounts relating to the fund, showing the account for the time being at the credit of each depositor, and the general state of the fund, in such form as the Syndicate may, from time to time, prescribe. Each depositor shall be supplied with a Pass Book which shall show the amounts for the time being at credit of the depositor, and which shall be in such form as the Syndicate may, from time to time, prescribe.

32. Subject to the provisions of the proviso to Regulation 29, the amount standing in the fund to the credit of a subscriber shall become payable—

* $5\frac{1}{2}\%$, *vide Syndicate Proceedings*, dated the 17th December, 1920, para. 16.

- (a) on the death of the subscriber;
- (b) upon quitting the service of the University, provided that in the case of resignation he has completed one year's service or has established, to the satisfaction of the University, that his retirement is necessitated by incapacity for further service.

32-A. In case of leave granted preparatory to retirement, a subscriber may, at the discretion of the Vice-Chancellor, be permitted to withdraw up to ninety per cent. of his assets in the Provident Fund. If under any exceptional circumstances the subscriber does not retire at the end of the leave, the full amount withdrawn shall be refunded as a condition of continued employment. This payment shall not affect the rules in regard to subscriptions during such leave or the claim to bonus or on the interest on the balance.

33. Any depositor may register, in the books of the fund, the name of the person to whom he desires that in the event of his death the whole or any part of the amount of his deposit shall be paid. Such nomination may at any time be revoked by the subscriber or replaced by a fresh nomination.

34. The Syndicate may, from time to time, make rules, consistent with these Regulations for—

- (a) the conduct of the business of the fund;
- (b) any matter relating to the fund, or its management, or the investment of sums at credit of the fund, or the privileges of depositors not herein expressly provided for, and may add to, vary or cancel any rules so made.

34-A. As an addition to the benefits given under the Provident Fund Rules, the Syndicate may, at its discretion, grant to an employé, or to the person whose name has been registered under Regulation 33, for efficient and faithful service, a bonus equal to a

half month's *actual pay** at the time of retirement, for each year's service. Provided that no bonus shall be given to an employé of under 15 years' continuous service and that no bonus shall accrue for any year over 30 years' service and that no bonus shall be given to the officers of Class A without the sanction of the Senate.

VII.—*Age of retirement.*

35. (a) The age of retirement in the case of Professors and Readers maintained by the University shall be as given in Chapter VI-C.

(b) The date of retirement for whole-time teachers confirmed in permanent appointments, including the Principals of the Law and Oriental Colleges shall be September 30th of the year in which they attain the age of 55 years.

If a proposal is made by the Syndicate for the re-appointment of any such teachers for a further period, it shall be made at such a time that the Senate may decide the question of re-appointment not later than March in the year in which the retiring age is reached.

(c) The date of retirement for the Registrar and the Joint-Registrar appointed after June, 1926, shall be September 30th of the year in which they attain the age of 55 years. An officer may be retained in the post of Registrar or Joint-Registrar after that age with the sanction of the Senate on special grounds, which must be recorded in writing, up to the age of 60 years.

(d) An officer not mentioned above may be required to retire at the age of 55 years, but shall ordinarily be retained in service, if he continues efficient, up to the age of 60 years. He shall not be retained after that age, except in very special circumstances,

* See *Synd.*, 20th Feb., 1920. para. 27, and C.S.R. Article 38 (c), rule 1.

which must be recorded in writing, and with the sanction of the Senate, and up to the age of 65 years.

(e) Provided that the power of the Senate to make short term appointments, as for example, of Demonstrators for periods of 3 years or of officers on probation shall not be limited in any manner whatsoever.

VIII.—Transitory provision.

36. (a) The rules relating to pensions and gratuities which came into force on the first day of April, 1899, shall not apply to any officer or servant appointed on or after the 1st April, 1906.

(b) Any officer or servant to whom the rules of the 1st April, 1899, apply, who may desire to be brought under the operation of these Regulations, instead of the said rules, may intimate the fact, in writing, to the Registrar, and upon such intimation being given, the rules of 1st April, 1899, shall cease to apply to such officer or servant who shall thereupon be subject to these Regulations:

Provided that such option shall be exercised before the first day of April, 1906, and not (without the permission of the Syndicate) thereafter.

(c) All contributions at any time made by any officer or servant under the rules of the 1st April, 1899, shall, upon such officer or servant electing to come under the operation of these Regulations, be placed to his credit in the Panjab University Provident Fund, and shall be treated in all respects as a deposit made under these Regulations.

(d) The Syndicate shall have power to decide any question which may at any time arise in connection with the application of these Regulations to officers or servants to whom the rules of the 1st April, 1899, may apply.

37. Nothing in the foregoing Regulations shall apply to—

- (1) Endowed Students and Translators.
- (2) Readers in the Law College.

VI-C.—REGULATIONS RELATING TO THE
APPOINTMENT, CONDITIONS OF TENURE
AND DUTIES OF PROFESSORS AND
READERS OF THE UNIVERSITY.

1. The appointment of a Professor or Reader of the University shall be made by the Senate on the recommendation of the Syndicate, provided that before recommending the appointment of a Professor, the Syndicate shall consider the reports of such Committee of Selection and Board of Advisers as may be appointed by the Senate for this purpose and provided also, that a local Committee of Selection shall always contain at least two experts in the subject of the Chair, and that each Board of Advisers shall contain at least two External experts in the subject.

2. It shall be an instruction to the Committee of Selection and to each Board of Advisers that in nominating any person for appointment as University Professor they shall have regard to—

- (i) his capacity for research,
- (ii) his powers as a teacher,
- (iii) generally his eminence in the subject or his profession.

3. In cases where a College teacher is nominated by the Syndicate, to be a University Professor, but not as a whole-time servant of the University, whether he receives an allowance from the University or not, the same procedure shall be followed, provided that the recommendation shall not be laid before the Senate unless the Governing Body of the teacher's College shall have consented to his acceptance of the appointment.

Conditions of Tenure.

(i) The period of appointment shall always terminate on September 30th (except in cases of removal for due cause),

(ii) In cases where it is not necessary for financial or other reasons to make the period of appointment in the first instance for a limited number of years, the Senate shall decide, on the recommendations of the Syndicate, whether the appointment shall be made in the first instance for an initial limited period, and, if so, what period, or whether it shall be made without time-limit up to the age fixed for retirement.

(iii) In case where the Senate retain a Professor or Reader after an initial period of appointment, without specifying a further period, the re-appointment shall be without time-limit up to the retiring age.

(iv) In cases where an appointment is made for an initial period the Senate shall consider not later than March preceding the end of such period the question of the continuance of the appointment, and the appointment shall not lapse at the end of that period unless the Senate shall have so decided not later than March 31st preceding; and failing such notice the appointment shall be deemed to be renewed for one further year as from the end of the initial period with notice that it will lapse at the end of such further year.

(v) The age for retirement shall be September 30th, in the year in which the holder of the appointment attains the age of 55.

(vi) If a proposal is made by the Syndicate for a further period of re-appointment, it must be made at such a time that the Senate may decide the question of re-appointment not later than March in the year in which the retiring age is reached.

(vii) The holder of the appointment may terminate it at the end of the Academic Year (September 30th) and not at any other date by notice given to the University not later than March 31st preceding, provided that the Senate may in special cases waive notice to such extent as it may think fit.

(viii) If a Professor, on appointment is domiciled in Great Britain, the University shall pay the cost of

a first class passage from London to Lahore; and if the appointment is for a limited period, and is not made permanent at the end of that period, the University shall pay the cost of a return passage from Lahore to London: provided that if the Professor leave his appointment before the initial period is complete (i.e., before June of the last year of that appointment) he shall be liable to refund the amount of passage money already paid.

(ix) In case of misconduct or incapacity of a Professor or Reader, the Senate shall have power to remove him from office, on the recommendation of the Syndicate, provided that two-thirds of the members of the Senate present at a duly convened meeting of the Senate vote for his removal.

(x) Every Professor and Reader whose salary is paid by the University, shall contribute to the Provident Fund under the Regulations relating to this Fund.

Duties.

It shall be the duty of each Professor and Reader:—

- (a) To contribute as far as in him lies to the advancement and diffusion of knowledge especially by the prosecution and promotion of original research.
- (b) To give instruction in accordance with the curriculum from time to time prescribed by the University and in accordance with such time tables as may be approved by the Academic Council in the subject committed to his charge.
- *(c) If required to examine candidates for admission to University classes, and for Degrees and Honours in the subject committed to

* University Professors and Readers shall be paid for University examination work (*vide* paragraph 3 of the *Syndicate Proceedings*, dated the 4th May, 1928).

his charge when appointed by the Syndicate, and to be responsible for such class examinations as may be prescribed by the Academic Council.

- (d) To take part in the organisation of the work of the University when assigned to any of the University bodies.
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VII.--REGULATIONS REGARDING THE APPOINTMENT AND DUTIES OF EXAMINERS.*

Appointment of Examiners.

1. All Examiners shall be annually appointed by the Syndicate subject to the general control of the Senate.

The Board of Studies shall, in accordance with the rules approved by the Senate, recommend persons for appointment as Examiners. The recommendations of the Board, before submission to the Syndicate, shall be scrutinised by a Revising Committee consisting of the Vice-Chancellor, the Dean of University Instruction, the Registrar controlling the Examinations, and four other members nominated by the Syndicate each year.

The Vice-Chancellor, in very special circumstances, shall have the power to cancel the appointment of an Examiner who is shown to be unable to perform the work or to conform to the directions of the University.

2. In cases of emergency, owing to the refusal or inability of an Examiner to act, or other cause, when

* Regulations under Section 25 (2) (f) of the Indian Universities Act.

there is no time to bring the appointment of another Examiner before the Syndicate, the Vice-Chancellor, moved by the Registrar, is empowered to appoint such Examiner.

Duties of Examiners.

3. In all subjects, except languages, the Examiner shall be required, when specially instructed, to set two papers of equal standard, one for the Oriental Faculty and the other for the Arts Faculty. Unless the Examiner who sets the paper is prepared to translate for the Oriental Faculty and to examine Vernacular answers himself, each paper set for the Oriental Faculty shall be handed over to a separate Examiner, who shall translate the paper and examine the answers.

4. When the number of candidates for the B.O.L. Examination is small, it is unnecessary to provide a second paper as specified in Regulation 3. The English papers shall be translated, and centographed, if necessary, on the spot: the University providing a Translator who shall be present two hours previous to the examination and be subjected to proper supervision.

5. (a) Examiners are required to distribute their questions with some uniformity over the whole range of the subjects in which they examine.

(b) When alternative text-books are recommended, Examiners are required not to base their questions exclusively on any one of such text-books.

6. (a) The Examiner shall strictly conform to the rules laid down in the Regulations for the examinations with which he is concerned, respecting the language to be used in setting and answering the papers.

(b) In the Matriculation and Intermediate Examinations, passages set for translation into English shall be of an equal standard of difficulty. In case an examiner is unable to set passage in any one of the languages specified, he shall inform the Registrar, and

the Syndicate shall make special arrangement for the paper in that vernacular.

7. No Examiner shall give any fractional marks for any paper in the results sent to the Registrar.

8. In all except Degree Examinations every Examiner shall assign marks for each question, which shall be indicated in the right-hand margin of the paper.

9. Any paper which does not strictly conform to the rules herein laid down, may be returned by the Registrar to the Examiner for correction.

10. Every Examiner shall forward his paper to the Registrar in a cover which shall be properly sealed, registered and insured, and the Registrar is authorised to reject any paper which is not forwarded in the prescribed manner.

11. In the M. and S.L.C. Examination, whenever there is more than one Examiner in any paper, another Examiner, to be called the Head Examiner, shall be appointed for that subject. The Head Examiner shall set the question papers and shall re-examine not less than seven and a half per cent. of the answer-books examined by each of the Examiners in his subject in order to see whether a uniform standard has been adopted. Where there appears to be a want of uniformity, he shall at once return the answer-books to the Examiner whose marking need revision, along with at least 5 answer-books examined and marked by himself, and with such instructions or suggestions as he deems necessary.

The answer-books shall be sent in the first instance to the Head Examiner in packets of 50.

12. In no case shall the Head Examiner himself increase or diminish the marks assigned to any paper by an Examiner. In case of a difference arising between a Head Examiner and one of the Subordinate Examiners, the matter shall be referred to the Board of Studies for decision.

*13. The Head Examiner shall be responsible that the results in his subject are submitted in due time; and shall certify that he has re-examined the required percentage of answer-books.

14. Before the publication of the results of an examination they shall be submitted, together with a statement of the percentage of passes in the whole examination and in each subject, for the current and the five preceding years, to the Board of Moderators appointed in the manner provided in Regulation 14-A.

The Board may then order the publication of the results. If, however, the Board considers, after examination of the figures submitted, that there has been a distinct change of standard in the whole examination or in a particular subject,† the Board may refer the matter to the Examiners concerned for a report on the apparent change of standard, and may suggest a specific modification of the results. In the event of a similar reference having been previously made by the Registrar, the replies of Examiners to this may be taken without a further reference by the Board.

If the Board and the Examiners now agree on the modification (if any) to be made, the Board shall authorise the publication of the results accordingly.

If, however, the Board and the Examiners (or one of these) do not agree, or if no report can be obtained from an Examiner, the Board, if unanimously of the opinion that there has been a distinct change of standard, may order a re-examination of any set of papers by an Examiner appointed by the Vice-

* For the functions of the Chief Examiners in B.A. English, see para. 7, *Synd. Proc.*, 25-1-24.

† For B.A. English reference to be made to the Chief Examiner (*Synd.*, 25-1-24, para. 7).

For the functions of the Head Examiners in the Intermediate or the B.A. (B.A. English excepted), see paragraph 22 of the *Syndicate Proceedings*, dated the 20th May, 1927.

Chancellor, or in his absence by the Director of Public Instruction.

14-A. The Board of Moderators for the purposes of the preceding Regulations shall consist of the Registrar, and four Fellows of the University to be nominated by the Syndicate.

VIII.—REGULATIONS FOR THE CONDUCT OF EXAMINATIONS.

1. All examinations shall be held at such centres as may be appointed by the Syndicate.

2. The Superintendent of each centre shall be appointed by the Syndicate at least one month before the date fixed for the commencement of the examination.

In cases of emergency, owing to the refusal or inability of a Superintendent to act, or to other cause, when there is no time to bring the appointment of a Superintendent before the Syndicate, the Vice-Chancellor, moved by the Registrar, shall be empowered to appoint such Superintendent.

Where necessary the Registrar shall arrange for the appointment of one or more Assistant Superintendents.

3. The rules relating to the Duties of Superintendents, including the Directions to Candidates, may be altered from time to time by the Syndicate with the sanction of the Senate.

4. If a candidate's paper is duly recorded by the Superintendent of the examination as having been received by him and is thereafter lost, and if he passes in all other subjects of the examination, he may be required to appear in that one paper which is lost on a date fixed by the Registrar, and if he obtains pass marks he shall be deemed to have passed the examination.

5. If a candidate accepted for one of the examinations named below is unable to appear in, or to complete the examination on account of his serious illness or of an accident to himself he shall have another opportunity of passing the examination the same year.

Such a candidate may be examined in a supplementary examination held in October on the payment of the prescribed fees but only in the subjects or papers he could not take in the annual examination and provided that he has not already failed on the subjects or papers taken.

The application of such a candidate shall be entertained only if it is supported by a certificate, submitted within one month of the date on which he could not appear in the annual examination, from an Officer of the Indian Medical Service or from a Medical Officer not below the rank of a Civil Surgeon or from a Registered Medical Graduate (including L.M.S.) of not less than ten years' standing.

This Regulation shall apply to the following examinations:—

Intermediate Arts and Science;

B.A. and B.Sc. (Pass); and

Examinations in Medicine, Agriculture, Law, and Commerce.

Candidates to whom this concession is granted shall be provisionally allowed to read for the next higher class in the college till the publication of the results.

Provided that no candidate who passes under this Regulation shall be eligible for a scholarship.

6. Admission to a supplementary examination as in Regulation 5 shall also be allowed if a candidate is unable to complete his examination on account of the death of a near* relative on one of the days of the

* By a near relative is meant father, mother, full and half brother and sister, paternal and maternal uncle, paternal grandfather, wife, son, daughter, and husband.

examination certified by a First Class Magistrate, and under the same conditions.

7. Any candidate detected in giving or receiving assistance, in having, in the examination room, in his possession or accessible to him, papers, books or notes which might possibly be of assistance to him for the purpose of that examination, or in the use of, or attempt to use, any other unfair means in connection with the examination, shall be expelled by the Superintendent of the centre from the examination room.

7-A. If such candidate, though in possession of such papers, books or notes, is not shown to have actually used them for the examination, he shall be disqualified from passing the examination for that year only.

7-B. If such candidate is detected in giving or receiving assistance or found guilty of copying from any paper, book or note, or allowing any other candidate to copy his answer-book, or using or attempting to use any other unfair means, he shall in the case of following examinations be disqualified from passing the said examination that year and the next year:—

- (i) Matriculation or School-Leaving Certificate Examination,
- (ii) Examinations in Vernacular Languages,
- (iii) Proficiency and High Proficiency Examinations in Sanskrit, Arabic, and Persian;

and in case of other examinations, from passing the said examination that year and the following three years.

8. If a candidate is found guilty of deliberate previous arrangement to cheat in the examination as smuggling in another answer-book, impersonation or some other misconduct of serious nature, then he shall be declared as not a fit and proper person to be admitted to any future examination of the University:

Provided that, on the expiry of five years of such

declaration, including the examination in connection with which he was punished, the Syndicate, with the sanction of the Vice-Chancellor, may, in special cases, exempt a candidate from the further operation of this rule.

9. If a candidate is found guilty of using abusive or obscene language in the answer-book, then he shall be punished as in Regulation 7-A, and if found guilty of forging another person's signatures or of obtaining admission to the examination on false representation made on his application form, then he shall be punished as in Regulation 7-B.

10. *Candidates guilty of communicating, or attempting to communicate, with Examiners with the object of influencing them in the award of their marks, will be deemed to have used, or attempted to use, unfair means within the meaning of Regulation 7 and shall be punished as in Regulation 7-B. Communications of the same nature addressed to the Registrar will be treated as falling in the same category and the candidate concerned shall be punished as in Regulation 7-A.

PART III.—AFFILIATED COLLEGES AND STUDENTS OF THE UNIVERSITY.

IX.—REGULATIONS RELATING TO A UNIVERSITY REGISTER OF STUDENTS.†

1. The Registrar shall maintain a register of all students of the University, including graduates reading for a higher examination.

* For decision as to whether or not appeal made by the candidates to the Examiner through his answer-paper is an attempt to communicate with the Examiner with the object of influencing him in the award of marks, see paragraph 5 of the *Syndicate Proceedings*, dated the 6th May, 1921.

† Regulations under Section 25 (2) (h) of the Indian Universities Act.

In this register shall be recorded under the name of each registered student, the dates of admission or re-admission to, and of leaving, any affiliated college, every pass or failure in a University examination with his roll number, any University scholarship, medal or prize won by the student, every degree taken.

2. Registration in this register shall be deemed necessary for Matriculation.

3. The Principal of every affiliated college shall forward to the Registrar within fourteen days the name of every student admitted or re-admitted to that college, together with the registration fees required by these Regulations.

If any student is struck off the rolls of a college, if any student migrates to another college, is rusticated or expelled, such fact shall be immediately reported to the Registrar.

4. In the case of a student seeking Matriculation, the Principal of the college to which he has been admitted shall inform the Registrar of the date on which such student passed the Matriculation Examination and quote his roll number.

In the case of a registered student joining or rejoining a college, the Principal shall quote such student's registered number.

5. On registration as a matriculated student every student shall be informed through his Principal of the registered number under which his name has been entered in the register, and that number shall be quoted in all subsequent reports concerning that student, and in all applications by that student to be admitted to a University examination.

6. On Matriculation every student who joins a college outside Lahore shall be required to pay to the University a registration fee of four rupees when his name is sent in by the Principal. A student joining a Lahore College shall pay rupees five.

A special University fee of rupees three per annum shall be levied from all registered University students

on the rolls of an affiliated college in Lahore, except students in classes affiliated in the Oriental Faculty, annually from the commencement of the year following that in which the student paid his registration fee.

No further fee for registration shall be charged, unless a student's name is, for any reason other than legitimate migration, struck off the rolls of a college, in which case he shall pay one rupee to have his name re-entered in the University Register.

7. All applications for admission to University Examinations shall be liable to be scrutinised by comparison with the University Register, and the Registrar may refuse any application of any candidate about whom complete particulars have not been reported, and require him to forward through his Principal a complete statement of the particulars which have not been properly reported, together with an additional registration fee of two rupees, or in the case of a Lahore candidate three rupees.

8. Any registered student may at any time receive a certified copy of all the entries under his name by payment of three rupees.

9. Any person who applies for special permission to appear in an examination as a private candidate, if he has been at any time matriculated in the University, shall quote his registered number, or if he has not been so matriculated, shall register his name as a matriculated student, paying the usual registration fee before he appears in the examination to which he seeks admission.

X.—REGULATIONS RELATING TO AFFILIATED COLLEGES.*

Affiliation.

1. Any college applying for affiliation shall submit,† with the letter of application, a statement under each of the clauses of sub-section (1) of Section 21 of the Indian Universities Act, 1904.

Explanation.

This statement shall include in addition to any other particulars expressly required by the Act—

Under clause (a) a statement containing full information regarding the constitution of the Governing Body and the names of its Members.

Under (b) a statement showing the staff of teachers employed, or proposed to be employed, their qualifications, the subject or subjects proposed to be taught by each of them,‡ and the conditions governing their tenure of office.

Under (c) a complete plan to scale of the buildings and grounds and the following statements, namely:—

- (1) of the number of students attending the college;
- (2) of the number of such students not residing with their parents or guardians;
- (3) of the arrangements made or about to be made for the residence of such students in the college or lodgings approved by the college.

* Regulations under Section 25 (2) (i), (j) and (k) of the Indian Universities Act.

† Before December 1st each year (*Synd.*, 7th February, 1919).

‡ In Science subjects Colleges must provide at least one teacher for every twenty (or fraction of twenty) students doing laboratory work at the same time (*vide Synd.*, dated 31st May, 1910).

Student Demonstrators should not be in head charge of the Practical Class (*Synd.*, 4th January, 1918, para. 14).

- (4) of the arrangements made or about to be made for the supervision and physical welfare of all students of the college, including arrangements made for gymnasias, drill, games, and the like.

Under (d) a statement showing the number and character of the books composing the library, and the amount ordinarily spent on the upkeep and increase of the library.

Under (e) a statement showing the appliances provided or proposed to be provided for teaching the subjects in which affiliation is sought, and amount to be annually expended on such appliances.

Under (g) a statement showing the financial resources of the college, including a statement of the annual income and expenditure.

Under (i) a statement showing the rates of fees (if any), and the number of students exempted wholly or in part from such fees.

2. An inspection of every affiliated college shall be held under Section 23, sub-section (2), of the Indian Universities Act, 1904, from time to time. The inspection may relate to the accommodation, sanitary arrangements, and provision made for the residence, supervision and instruction of students, the library, and the furniture and apparatus, the registers, and the qualifications of and duties performed by each member of the staff; but in other respects it shall not refer to the internal management of the institution, which shall be left to the discretion of the responsible authority.

3. The report of such inspection shall be submitted to the Syndicate in the form to be prescribed by the Syndicate.

4. In the month of May of each year, or in such other month as the Syndicate may, from time to time, determine, the Principal of every affiliated college shall

submit a report to the Syndicate showing the circumstances of and changes in the management, the staff, changes in the staff and qualifications of new members, number and distribution of students, income and expenditure of previous financial year, results of examinations, changes in the scale of fees and of exemptions or reductions permitted, scholarships, condition of library, number of students in boarding-house, college rules.

5. The Principal of every affiliated college shall report to the Registrar, within a fortnight, for record in the University Register of Students, the admission, withdrawal and transfer of students.

6. The following shall be kept by every affiliated college and submitted when required to an officer appointed by the Syndicate:—

- (1) A Register of Admissions and Withdrawals.
- (2) Registers of Attendance at Lectures.
- (3) A Register of Fees.
- (4) A Time Table.

7. The following inter-collegiate rules shall be observed in all colleges affiliated in the Faculties of Arts, Science, Law or Agriculture except rule 1 in the case of colleges affiliated in the Faculty of Agriculture:—

Rule 1.—The admission of students to the first year class shall begin on the tenth day and shall end on the twentieth day after the publication of the Matriculation results, or in the case of students who have qualified in the Cambridge School Certificate Examination the admission shall begin ten days after the publication of the results of this examination and shall end on the twentieth day after the publication of the Matriculation results, and admission to the third year class shall begin on the tenth day after the publication of the Intermediate results, and

shall cease on the tenth day after the re-opening of the colleges after the summer vacation :

Provided that in exceptional cases the Principal of a college may admit a student to the third year class before the summer vacation without requiring him to attend in person.

- Rule 2.*—No student who has joined one college shall be admitted to another college during the same academic year,
- unless (i)—he has obtained a leaving certificate. This certificate is not to be given by his Principal until the transfer has been sanctioned by the Vice-Chancellor;
- (ii)—one or other of the following conditions is satisfied, namely:—
- (a) if a change of residence by his father or guardian has made it necessary for a student to change his college;
- (b) if a student has joined a college without the permission of his father or guardian;
- and (iii)—has obtained through his Principal the permission of the Vice-Chancellor.

No application for transfer shall be entertained unless the student's statement is supported by his Principal.

Rule 3.—If a student's name is struck off the rolls of his college, the student may be re-admitted to the same class at the discretion of his Principal.

The Syndicate has ruled that a candidate must present himself in person at the time of admission.

Students who fail in the Intermediate and B.A. Examinations should be allowed to rejoin second and fourth year classes respectively of their own college before the beginning of the vacation without a personal application (*Synd.*, 5th April, 1918, para. 1).

Rule 4.—If a student is struck off the rolls of a college for any reason other than misconduct, he may be admitted to the class from which his name was struck off the rolls, in any college within seven days of the opening of that college in any subsequent year on production of a leaving certificate.

Rule 5.—A student reading in the Second, Fourth, or Sixth Year class of a college shall not be admitted to another college unless he satisfies the conditions (i), (ii), and (iii) of Rule 2.

Rule 6.—A student who has completed his course for a University examination may rejoin his own college or on production of a leaving certificate may join any other college within seven days of the opening of the college.

Rule 7.—In colleges where fees are charged, students shall be charged fees from the first of May. A second tuition fee for the same month shall not be charged from a student migrating from one affiliated college to another.

8. The Vice-Chancellor shall have power to authorise migration from one college to another, or other admissions to colleges not allowed by Regulation 7.

9. A college affiliated in a particular subject for the Master of Arts Examination may, subject to the approval of the Academic Council of the programme of teaching, either (i) provide all the necessary instruc-

Note.—Students who wish to continue their education in any technical institution, should enter their names provisionally on the rolls of an Arts College before the last date laid down by the inter-college rules, on the understanding that if they are subsequently admitted to such an institution, their fees will be remitted (*vide Synd.*, dated 21st October, 1905).

tion in that subject for its own students; or (ii) take part in an Inter-Collegiate programme of instruction with, or without, the assistance of University teachers.

Unless exempted by the Academic Council, with the consent of the Heads of other colleges concerned no college shall be entitled to present candidates for the examination unless it provides, or is prepared, if so required, to provide, an approved teacher for a course of lectures (of two periods a week) and further provides for its own students tutorial supervision and instruction.

10. When two or more colleges with or without the assistance of University teachers, agree to share the teaching work in a particular subject for the Master of Arts Examination, and their programme has been approved by the Academic Council, there shall be constituted a Committee of Control for each group providing combined teaching. Such a Committee shall consist of the Head of the Department of the particular subject in each college and any University Professors or Readers taking part in the approved programme of instruction.

11. The Committee of Control is the authority empowered to admit students to the class, to draw up the programme of teaching work for approval by the Academic Council, and to certify the candidates for the examination.

This Committee shall report to the Dean of University Instruction in January of each year whether the students of each class are in the opinion of the Committee suitable candidates for the examination.

When a college provides the whole teaching staff itself the functions of the Committee of Control shall be exercised by the Head of the Department of the subject in that college.

X-A.—REGULATIONS DEALING WITH THE RECOGNITION OF SCHOOLS.

1. Schools shall be recognised by the University for the purpose of the Matriculation Examination when the Syndicate is satisfied that the following conditions are fulfilled in each case, namely:—

- (a) that the existence of the school is generally desirable;
- (b) that its financial stability is reasonably assured, and its Managing Body, where there is one, properly constituted;
- (c) that it teaches the proper subjects up to a proper standard, and that due provision is made for the instruction, health, recreation and discipline of the pupils;
- (d) that the teachers are suitable as regards character, number, and qualifications;
- (e) that the fees to be paid will not involve such competition with any existing school as will be unfair and injurious to the interests of education;
- (f) that inter-school rules are observed; and
- (g) that no text-books are in use which are disapproved by Government.

2. Recognition by the University shall ordinarily be accorded to schools recognised by the Education Department,* on the understanding that the conditions prescribed in Regulation 1 are fulfilled, and that inspection reports on any of these schools will be furnished to the Syndicate if asked for. In doubtful cases

* The Syndicate will not recognise any school that is refused recognition by the N.W.F.P. Education Department but it reserves the right of refusing recognition to a school (although it may continue to be recognised by that Dept.) either altogether or in part if at any future time such school should fail to satisfy the conditions of Chapter X-A of the Calendar (*Synd.*, 7th March, 1913, para. 12).

it shall be open to the Syndicate to make special enquiries, and, if necessary, to refuse recognition.

3. The recognition of any school by the University may be cancelled if the conditions of recognition at any time cease to be fulfilled.

4. In each year, immediately after the results of the Matriculation Examination have been published, the Registrar shall prepare a list of recognised schools, which have failed to obtain an average of 33 per cent. of passes in the three preceding examinations, including the examination just ended. The Syndicate may then arrange for a special inspection of any such school, with a view to ascertaining the competence of the staff, the nature of the teaching, and the mode in which class promotions are given. On receipt of a report on these points, the Syndicate shall decide whether recognition of the school should be continued.

XI.—REGULATIONS RELATING TO PRIVATE CANDIDATES.*

1. No one who has attended any college as a student at any time during the academic year preceding a University examination shall appear at that examination as a private candidate.

Provided that this shall not apply to candidates for Oriental Titles Examinations, who have attended any college not affiliated for these examinations.

2. Subject to Regulation 1, only persons belonging to the following classes, not being students of any college affiliated to the University, may be recommended by the Syndicate for admission, by special order of the Senate, as candidates at any University examination in the Faculties of Oriental Learning, Arts,

* Regulations under Section 25 (2) (p) of the Indian Universities Act of 1904.

Science, and Agriculture, other than an examination for Matriculation:—

- (a) Female candidates.
- (b) A *teacher, who (a) is employed as a member of the whole-time teaching staff of a recognised School or of an affiliated College and (b) has either been so employed for the nine months previous to the date of submitting his admission form for the examination or has so served for a period of two years.
- (c) Legal Practitioners enrolled to practise in Lahore High Court or Courts subordinate thereto.
- † (d) Late College students who have completed the prescribed course for an examination, and are recommended by the Principal of the College for admission to such examination, within a period of three years after completing such course.
- (e) Candidates for the Degree of Doctor.
- (f) Candidates for the Proficiency, High Proficiency, and Honours Examinations in Classical Oriental, and Indian Vernacular Languages appearing from territories within the jurisdiction of the University, or *bona fide* candidates certified by the Superintendent of Education, Delhi Province, to be students of, or teachers in, an educational institution within the Province of Delhi, and candidates appearing from territories within the jurisdiction of the

* A laboratory assistant whether in a Government or a private college is not considered as a 'teacher' for this purpose.

† The words "Late college students" include those who have attended a full course of lectures and have not appeared in the examination and do not want to rejoin a college next year (*vide* paragraph 14 of the *Syndicate Proceedings*, dated the 17th February, 1928).

University in the English papers of the Intermediate and B.A. examinations of the Arts Faculty, after having passed one of the examinations enumerated in this clause.

- *(g) Whole-time Librarians or Library Clerks who for the twelve months previous to application have served in the Library of any affiliated College, the University Library, the Panjab Public Library, or any other Public Library approved by the Syndicate for this purpose.
- (h) Deputy Inspectors, District Inspectors, and Assistant District Inspectors of Schools in the Panjab, and the North-West Frontier Province.
- (i) A teacher, who (a) is employed as a member of the whole-time teaching staff of an educational institution under the direct control of a Department of the Panjab Government, (b) has either been so employed for the nine months previous to the date of submitting his admission form for the examination or has so served for a period of two years, and (c) is recommended by the Head of the institution concerned.

3. Any one who resides within the territorial limits of the University of the Panjab and has not been reading in any school whatsoever at any time since July 1st of the year preceding an examination for Matriculation and School-Leaving Certificate may (if he otherwise qualifies) appear in that examination as a private candidate.

* Municipal Public Library, Rohtak; Elliot Library, Gurdaspur; Dyal Singh Library, Lahore; King Library, Gujrat; and Library of the Panjab Text-Book Committee, Lahore; approved for purposes of (g), *vide Synd. Proc.*, 16-11-23, para. 16, *Synd. Proc.*, 5-2-26, para. 1, and *Synd. Proc.*, dated 17-2-28, para. 7, respectively.

4. The Syndicate may admit as private candidates to an examination for Matriculation and School-Leaving Certificate—

- (a) Female candidates.
 - (b) Pupils of unrecognised night schools in the Panjab.
 - (c) Other candidates from unrecognised schools in the Panjab for special reasons to avoid hardship.
 - (d) Candidates who having passed the Matriculation or the School-Leaving Certificate Examination of the University of the Panjab appear in additional subjects.
 - (e) Candidates who have failed in the M. & S.L.C. Examination of the University of the Panjab.
 - (f) Candidates who having passed any of the Examinations in Oriental Languages or in Vernacular Languages of the University of the Panjab appear in English only.
 - (g) Under exceptional circumstances other candidates who reside outside the territorial limits of the University of the Panjab and have not been reading in any school since July 1st of the year preceding the Examination.
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XI-A.—RESIDENCE OF STUDENTS.

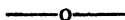
1. Every undergraduate student of a Lahore College, affiliated in Oriental, Arts, or Science Faculty, shall live during term time:—

- (a) with his guardian;
- or (b) in a College hostel;
- or (c) in a hostel recognised by the University.

Provided that the Principal of a College may permit an undergraduate student to live in an unrecog-

nised hostel or other lodgings as a special case. A list of all such cases shall be forwarded during the month of December to the Registrar.

Provided further that in the case of Oriental Titles students' residence in a mosque or temple buildings may be approved by the Principal in lieu of recognised hostels in accordance with such orders as may be passed by the Syndicate from time to time.



PART IV.—COURSES OF STUDY, EXAMINATIONS, SCHOLARSHIPS, ADMISSION TO DEGREES.



XII.—*EXAMINATIONS.†



‡XII-A.—MATRICULATION EXAMINATION AND SCHOOL-LEAVING CERTIFICATE EXAMINATION.

1. The Matriculation Examination and School-Leaving Certificate Examination shall be held

* Under this Chapter, a refund of examination fees shall be made if the candidate dies before the commencement of the examination (paragraph 17 of the *Syndicate Proceedings*, dated the 8th June, 1931).

† Regulations under Section 25 (1) and Section 25 (2) (n) and (o) of the Indian Universities Act.

‡ These are two separate examinations.

For the examination the following places have been appointed:—

Lahore, Mianwali, Ambala, Karnal, Ludhiana, Amritsar, Gujranwala, Sialkot, Rawalpindi, Gujrat, Hoshiarpur, Multan, Dera Ismail Khan, Jhang, Srinagar (Kashmir), Peshawar,

annually at such places as may be appointed by the Syndicate, and the examinations shall begin on the first working day after the ninth day of March or such other date as may be fixed by the Syndicate.

Provided that, except with the special permission of the Syndicate, every candidate shall be required to appear at the centre nearest to the place where he has been studying.

2. These examinations shall be open to—

(a) any pupil of a recognised school who—

(i) has his name submitted to the Registrar by the Manager or the Headmaster of the recognised school he has most recently attended;

(ii) produces the following certificates signed by the Headmaster of the recognised school he has most recently attended:—

(1) of good character;

(2) of having completed an adequate course*

Bannu, Jammu, Jullundur, Bhera, Firozpur, Dharamsala, Dera Ghazi Khan, Quetta, Patiala, Batala, Lyallpur, Simla, Kapurthala, Bahawalpur, Gurdaspur, Sargodha, Jhelum, Rohtak, Hissar, Campbellpur, Moga, Montgomery, Sangla Hill, Chakwal, Muzaffargarh, Chiniot, Abbotabad, Gojra, Kharar, Wazirabad, Gujarkhan, Kamalia, Faridkot, Tanda, Rupar, Shahpur, Bara Manga, Kangra, Una, Dinga, Khanna, Pasrur, Gurgaon, Panipat, Haryana, Kohat, Mandi, Leiah, Mardan, Nowshera, Hafizabad, Pathankot, Phillaur, Jagraon, Rewari, Mahilpur, Nawanshahr, Kasur, Poonch, Delhi, Dera Baba Nanak, Okara, Jaranwala, Qadian and Nakodar.

The Syndicate will take into consideration any application to constitute any other place a centre of examination, provided it be shown that satisfactory arrangements can be made thereat, and that such application be sent to the Syndicate at least six months before the date of the examination.

* "Adequate course" means 75 per cent. of attendances counted from the opening of the class in the case of boys (*Synd.*, 18th November, 1908, paragraph 8, and also 20th March, 1909), and 66 per cent. in the case of girls (*vide* paragraph 24 of the *Syndicate Proceedings*, dated the 6th February, 1932).

In the case of those who join the class after having failed in the examination, the percentage of attendances should be calcu-

of study for the examination concerned*;

(b) any private candidate eligible under Regulation XI who produces the following certificates signed or countersigned by the Headmaster of a recognised school, by the Inspector or Assistant Inspector of the Circle, or by the Deputy Commissioner of the District, or, in the case of Native States, an officer of equivalent position:—

- (1) of good character;
- (2) (Except in the case of candidates admitted under Regulation 4 of Chapter XI) of not having read in any school whatsoever at any time during the nine months previous to the examination.

Provided that the Syndicate or the determining authority under Regulation 7 of Chapter III shall have power to exclude any candidate from these examinations if it is satisfied that such candidate is not a fit person to be admitted thereto.

3. Every candidate shall forward his application on the form prescribed to the Registrar at least ten

lated on the possible attendances from the next month after the publication of the results to the month when the names are sent up for the examination (*Synd. Proc.*, 4th April, 1913).

If a candidate's attendance at school up to the date of the submission of names falls short of the required percentage, the Headmaster should submit his name to the University provisionally. If the candidate has not completed the required percentage before the fourteenth day preceding the first day of the examination, the Headmaster should report to the University authorities with a view to his admission being disallowed. If the letter of withdrawal from the Headmaster is received in the University office one week before the first day of the commencement of the examination, the admission fee received will be refunded (*Syndicate*, 19th March, 1920, paragraph 10, and 24th January, 1930, paragraph 23).

* A candidate struck off the rolls of a school after sending up his application ceases to be eligible for the examination (*Synd.*, 21st March, 1911).

weeks before the commencement of the examination, accompanied by a fee of fifteen rupees and an additional fee of rupees two in the case of the candidate taking up one or more Science subjects, or in the case of a private candidate at least fourteen weeks before the commencement of the examination, accompanied by a fee of twenty-five rupees, and an additional fee of rupees two in the case of the candidate taking up one or more Science subjects, and a statement (1) showing the place at, and the subjects in, which he desires to be examined, and (2) recording the vernacular or vernaculars he proposes to use for translation. A female private candidate shall be required to pay a fee of rupees three per subject and an additional fee of rupees two in the case of the candidate taking up one or more Science subjects. A candidate who fails to pass or to present himself for the examination shall not be entitled to claim a refund of the fee; but he may be admitted to one or more subsequent examinations on payment of a fee specified above on each occasion.

3-A. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay additional fee equivalent to half the amount of the examination fee subject to a maximum of Rs. 5. Provided that such application shall only be entertained up to four weeks before the commencement of the examination.

4. (a) The examinations shall be conducted by means of question papers, the same questions being set in every place where the examinations are held.

(b) An oral and practical examination shall be held in the following:—

- (1) Physics and Chemistry.
- (2) Physiology.
- (3) Hygiene.
- (4) Agriculture.

- (5) Domestic Economy as a part of Arithmetic and Domestic Economy.
- (6) Domestic Economy.

English shall be the medium of examination in all subjects; that is to say, the questions set by the examiners shall be set in English, except in the case of Sanskrit and Hindi in which the questions shall be set in Hindi, in the case of Arabic, Persian and Urdu in which the questions shall be set in Urdu, and in the case of other Vernacular Languages in which the questions shall be set in the Vernacular concerned, and the answers written by the candidates shall be written in English, except that in History and Geography the answers may also be written either in Urdu, Hindi or Panjabi. Provided that in the case of Oriental and Vernacular languages, the answers shall be written in the vernacular of the candidates.

5. The following are the subjects of examination for the Matriculation candidates with the number of papers and the scale of marks allotted to each :

	<i>Marks.</i>
(1) English, two papers	200
(2) Mathematics, two papers (or in the case of girls Arithmetic and Domestic Economy each carrying 100 marks)	200
(3) A language [Classical (Sanskrit, Arabic, Persian, Hebrew, Latin or Greek) or a Vernacular (Urdu, Hindi, Panjabi, Pashto, Bengali, French or German)] or Physics and Chemistry (Oral and Practical), two papers	150
(4) History and Geography, two papers	150
(5) One of the following:—(a) Physics and Chemis- try (Oral and Practical), (b) Civics and Hygiene (Oral and Practical), (c) A language (Sanskrit, Arabic, Persian, Hebrew, Latin, Greek, French, German, Urdu, Hindi, Panjabi, Pashto or Bengali), (d) Drawing, (e) Domestic Economy (for girls), (f) Agricul- ture (Oral and Practical), (g) Physiology and Hygiene (Oral and Practical), two papers	150

A candidate who takes up Domestic Economy as a part of alternative course with Mathematics is not eligible to take up Domestic Economy as a separate subject.

Provided that no candidate shall take Agriculture as one of his subjects unless he has taken Physics and Chemistry and no candidate shall take the same language under (5) (c) which he has taken under (3).

Provided further that no candidate shall take two Vernaculars or two classical languages.

5-A. *Transitory Regulation.* For the examination to be held in 1929, the candidate, who, having submitted his application on the form prescribed for the examination to the Registrar, failed to appear, or, having appeared, failed, in the M. & S.L.C. Examination held in 1928, shall be permitted to take the subjects allowed for the examination in 1928, and shall be deemed to have passed the examination if he fulfils the conditions laid down in Regulation 7 below, for the purposes of which the candidate who has passed in any two of the following four as one subject shall be deemed to have passed in History and Geography:—

- I. Indian History.
- II. English History.
- III. Geography.
- IV. Commercial Geography.

6. The following are the subjects of examination for the School-Leaving Certificate candidates with the number of papers and the scale of marks allotted to each:

	<i>Marks.</i>
1. English, two papers 	200
2. Arithmetic (including Commercial Arithmetic for those taking Group A or Algebra for those taking Group B), two papers 	150

3-5.

Marks.

Either Group A:—

- | | | | |
|---|-----|-----|-----|
| (a) Shorthand and Type-writing | ... | ... | 150 |
| (b) Book-keeping and Commercial Correspondence,
and Hand-writing (to be judged by Dictation,
the speed being given) | ... | ... | 150 |
| (c) One elective subject from the following:— | | | |
| (i) A Vernacular (Urdu, Hindi, Panjabi, Pashto
or Bengali), two papers | ... | ... | 150 |
| (ii) A Classical Language (Sanskrit, Arabic,
Persian, Hebrew, Latin or Greek), two
papers | ... | ... | 150 |
| (iii) History and Geography, two papers | ... | ... | 150 |
| (iv) Civics and Hygiene, two papers (Oral and
Practical) | ... | ... | 150 |

Or Group B:—

Two subjects must be taken from (a), (b), and (c) below:—

- | | | | |
|---|-----|-----|-----|
| (a) Agriculture, two papers (Oral and Practical) | ... | ... | 150 |
| (b) Civics and Hygiene, two papers (Oral and
Practical) | ... | ... | 150 |
| (c) Physics and Chemistry, two papers (Oral and
Practical) | ... | ... | 150 |
| (d) One elective subject from the following:— | | | |
| (i) A Vernacular (Urdu, Hindi, Panjabi, Pashto
or Bengali), two papers | ... | ... | 150 |
| (ii) A Classical Language (Sanskrit, Arabic,
Persian, Hebrew, Latin or Greek), two
papers | ... | ... | 150 |
| (iii) Drawing, two papers | ... | ... | 150 |
| (iv) *History and Geography, two papers | ... | ... | 150 |
| (v) Agriculture, two papers (Oral and Practical) | ... | ... | 150 |
| (vi) Civics and Hygiene, two papers (Oral and
Practical) | ... | ... | 150 |
| (vii) Physiology and Hygiene, two papers (Oral
and Practical) | ... | ... | 150 |

Provided that no candidate who takes Civics and Hygiene shall take Physiology and Hygiene.

Provided further that no candidate shall take Agriculture as one of his subjects unless he has taken Physics and Chemistry.

* This includes the History of England and the History of India.

7. The minimum number of marks required to pass these examinations shall be *thirty-three* per cent. in each subject. In each Science subject this percentage is required in the written examination and in the aggregate, but only *twenty-five* per cent. in the practical examinations.

To qualify for Matriculation a candidate must pass in the following subjects:—

1. English,
2. Mathematics (or, in the case of girls, Arithmetic and Domestic Economy),
3. The subject he has taken from (3) of Regulation 5 above or History and Geography, and
4. One other subject from (3), (4) and (5) of Regulation 5 above.

To qualify for School-Leaving Certificate a candidate must pass in English, Arithmetic and two other subjects:

Provided that a candidate who obtains *thirty-three* per cent. in the aggregate of four subjects but less than the pass percentage required by not more than five marks in one subject only shall be deemed to have passed in the four subjects. Exception: A candidate must obtain *twenty-five* per cent. of the marks in the Oral and Practical Test of any Science subject.

8. A candidate who has passed the School-Leaving Certificate Examination shall be deemed to have qualified for Matriculation if he passes in the additional qualifying subjects in a subsequent year, and if he obtains *sixty-five* per cent. of the marks in the additional qualifying subjects he shall be deemed to have qualified with credit. A candidate who has qualified for Matriculation may present himself for examination in a subsequent year taking one or more subjects of the Matriculation group in which he has not already passed, and if he passed shall receive a certificate of so passing.

9. Candidates for Matriculation Examination and for the School-Leaving Certificate Examination who

gain *sixty* per cent. of the aggregate number of marks or more shall be placed in the First Division, those who gain not less than *forty-five* per cent. in the Second Division, and all below in the Third Division.

10. An outline of the tests in each subject is given in Appendix A. This outline can be changed, from time to time, by the Syndicate, with the approval of the Senate.

11. The Courses of Reading prescribed by the Senate are specified in Appendix B. In cases where text-books are prescribed, the candidates will be required not only to show a thorough knowledge of the text-books, but also to answer questions of a similar standard set with a view of testing their general knowledge of the subject. Text-books can be changed, from time to time, by the Syndicate, with the approval of the Senate.

12. Six weeks after the commencement of these examinations, or as soon thereafter as possible, the Registrar shall publish a list of the candidates who have passed, showing in which division each has passed and which candidates have qualified for Matriculation Examination, a list of those who have passed the School-Leaving Certificate Examination, a list of those who have passed in additional subjects, and a list of Oriental Faculty candidates who have passed in English only. Each successful candidate shall be granted a certificate showing in what subjects he has passed.

13. Any candidate who has passed the Proficiency, High Proficiency, or Honours Examination in Arabic, Sanskrit or Persian shall, if he so desire, be exempted from passing in that language, provided that he goes up within two years of his so passing, and that in awarding marks for that language in which he may have obtained a certificate, "pass marks" be taken as representing the value of those marks.

APPENDIX A.

I.—English—

Two written papers of three hours each—

<i>Paper (a)—</i>				<i>Marks.</i>
(a) Applied Grammar	...	...	...	25
(b) Composition	...	...	...	50
* (c) Translation into English	} of sentences	10	}	25
		continuous			15
				<hr/> 100 <hr/>
<i>Paper (b)—</i>				
(a) On books for intensive study	...	...	...	50
(b) On books for rapid reading	...	...	...	30
(c) On unseen passages	...	...	...	20
				<hr/> 100 <hr/>

For candidates in Arts whose Vernacular is English (Special Papers)—

<i>Paper (a)—</i>				<i>Marks.</i>
The paraphrase of a passage in both prose and poetry	...	...	...	} 100
The explanation of words and phrases of more than ordinary difficulty	...	...	...
The derivation of words	...	...	...
Composition	...	...	...
Grammar	...	...	...
<i>Paper (b)—</i>				
The same as for other candidates	...	...	...	100
				<hr/> 200

NOTE.—Words and phrases for explanation shall be limited to ten of each.

The derivation should be of ordinarily occurring classical words and should not exceed ten in number.

* To consist of sentences and a short passage designed to illustrate differences in idiom and usage between the two languages. The sentences and passage set not to be taken from the readings prescribed for the examinations (*Synd.*, para. 15, d. 2-8-23 and *School Board*. para. 1, d. 19-2-23).

II.—History and Geography— Marks.

Two written papers of three hours each—

<i>Paper (a)</i>	Indian History	...	...	45	}	90
	English History	...	...	45		
<i>Paper (b)</i>	Geography	...	...	...		60
						<hr/> 150

III (A).—Mathematics (Matriculation Group)—

Two written papers of three hours each—

(a)	Arithmetic	...	...	50	}	100
	Algebra	...	...	50		
(b)	Geometry—					
	Practical work	...	...	25		
	Book Propositions	...	...	40		100
	Deductions	...	...	35		
						<hr/> 200

(B).—Mathematics (*for blind candidates only*)—

Two written papers of three hours each—

(a)	Arithmetic	...	...	...	50	}	100
	Algebra	...	...	...	50		
(b)	Civics	...	...	...			100
							<hr/> 200

IV.—Arithmetic (including Commercial Arithmetic for those taking Group A or Algebra for those taking Group B)—

Two written papers of three hours each—

(a)	Arithmetic	...	...	...		100
(b)	Commercial Arithmetic	...	...	...	}	50
	or					
	Algebra	...	...	...
						<hr/> 150

V.—Arithmetic and Domestic Economy (for girls)—

Two written papers of three hours each—

<i>Paper (a)</i>	Arithmetic	...	...	...	100
<i>Paper (b)</i>	Domestic Economy—Written	...	...	...	70
	Domestic Economy—Practical	...	...	...	80
					<hr/> 200

VI.—Physics and Chemistry—				Marks.
1.	Oral and practical examination	...	...	40
2.	Two written papers of three hours each—			
	(a) Mechanics, Heat and Light	...	...	55
	* (b) Magnetism, Electricity and Chemistry	...	...	55
				150
VII.—Physiology and Hygiene—				
1.	Oral and practical examination	...	...	40
2.	Two written papers of three hours each—			
	(a) Physiology	...	...	70
	(b) Hygiene	...	...	40
				150
VIII.—Civics and Hygiene—				
1.	Two written papers of three hours each—			
	(a) Civics	...	...	75
	(b) Hygiene	...	...	60
2.	Hygiene practical	...	...	15
				150
IX.—A Classical Language—				
Sanskrit, Arabic, Hebrew, Greek, or Latin—				
Two written papers of three hours each—				
(a) 1.	Grammar	...	...	35
2.	Translation of easy passages from the Vernacular into the Classical Language	...	...	40
(b)	Translation from the Classical Language into the Vernacular: explanation of passages	...	...	75
				150
X.—Persian—				
Two written papers of three hours each—				
(a) 1.	Grammar	...	...	35
2.	Translation from the Vernacular into Persian	...	...	40
(b)	Translation from Persian into the Vernacular: explanation of passages	...	...	75
				150

* 15 marks are allotted to Magnetism and Electricity.

Marks

XI.—A Vernacular Language (Urdu, Hindi, Panjabi, Pashto or Bengali), French or German—

Two written papers of three hours each—

Paper (a) Grammar and Composition—

(1) Essay	25	} 75
(2) Letter	...	...	15
(3) Other Exercises to test familiarity with Grammar and common idioms	...	...	35

Paper (b) Questions on set books and unseen passages—

(1) Prose	45	} 75
(2) Poetry	...	...	20
(3) Unseen	...	...	10

150

XII.—Drawing—

Paper (a)—Drawing in Light and Shade (3 hours) 75

Paper (b)—Scale Drawing and Practical Geometrical Drawing (3 hours) ... 75

150

XIII.—Agriculture—

1. Oral and practical examination ... 50

2. Two written papers of three hours each—

Paper (a) ... 50

Paper (b) ... 50

150

XIV.—Domestic Economy (for female candidates only)—

Two written papers of three hours each—

Paper (a) Hygiene ... 50

Paper (b) Home Nursing ... 50

Practical—Sewing and Cutting out ... 50

150

	<i>Marks.</i>
XV.—Shorthand and Type-writing—	
(1) <i>An hour and a half:</i>	
*Dictation of about 600 words in 10 minutes and transcription of the same into longhand ...	75
(2) <i>Half an hour:</i>	
Transcription of a printed longhand passage of about 200 words into shorthand ...	25
(3) <i>One hour: Typing</i>	50
	<hr/> 150
XVI.—Book-keeping and Commercial Correspondence, and Handwriting (to be judged by Dictation, the speed being given)—	
(a) Book-keeping (one written paper of three hours)	75
(b) Commercial Correspondence (one written paper of two hours)	50
(c) Handwriting to be judged by Dictation (half an hour paper)—(15 marks for Dictation and 10 for handwriting)	25
	<hr/> 150

APPENDIX B. (*See Chapter XXI.*)

Courses of Reading prescribed for the Matriculation Examination and for the School-Leaving Certificate Examination.

* The Dictation passage to consist of a speech and a letter, either Official or Commercial.

XII-B.—EXAMINATIONS FOR THE DIPLOMA AND THE HIGHER DIPLOMA IN ARTS FOR WOMEN.

1. The examinations for the Diploma and the Higher Diploma in Arts for Women shall be held annually in the month of April at such places as may be fixed by the Syndicate.

2. Every candidate shall forward her application to the Registrar at least thirty days before the commencement of the examination, accompanied by the proper fee and a statement showing the place at, and the examination to, which she desires to be admitted. A candidate who fails to pass or to present herself for examination shall not be entitled to claim a refund of the fee, but she may be admitted to one or more subsequent examinations on payment of the proper fee on each occasion.

3. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, she shall pay additional fee equivalent to half the amount of the examination fee subject to a maximum of Rs. 5. Provided that such application shall only be entertained up to fifteen days before the commencement of the examination.

4. The fees prescribed are as follows:—

For admission to each examination	
for a certificate in Proficiency	Rs. 5/-
For admission to each examination	
for a certificate in Higher Proficiency	Rs. 7/-
... ..	

5. For some subjects a three years' course of study shall be required, for others two years and for some only one year; subject to this requirement any subject can be taken at the time of the annual examination.

6. The marks allotted to each subject shall be as under:—

Each subject requiring 3 years' course	150 marks.
" 2 " "	100 marks.
" 1 year's "	50 marks.

The minimum number of marks required to pass this examination shall be 33 per cent. in each subject. In subjects in which a practical examination is held this percentage shall be required in the written examination but only 25 per cent. in the practical examination.

*7. The syllabuses, courses of reading and an outline of the tests in each paper shall be prescribed from time to time by the Women's Diploma Board, subject to the sanction of the Syndicate.

8. English shall be the medium of examination in English and Science subjects; that is to say, the questions set by the examiners shall be set in English, and the answers written by the candidates shall be written in English. In all other subjects the medium of examination shall be either Hindi or Panjabi or Urdu at the option of the candidate.

9. For the purposes of these examinations, including the recognition of institutions and recommendations regarding the courses of reading and appointment of examiners, there shall be a Women's Diploma Board consisting of:—

The Deputy Directress of Public Instruction, Punjab.
One Principal of a Women's College in Lahore.

Three members to be nominated by the Syndicate.

Diploma Examination.

10. This examination shall be open to

(a) any student who—

(i) has been enrolled in an institution recog-

* The recommendations of the Women's Diploma Board are to go to the Syndicate direct and not through any Faculty (*Syndicate Proceedings*, dated the 4th May, 1932, paragraph 6).

nised for this purpose by the Women's Diploma Board constituted under Regulation 9, after having passed the Eighth Middle Class of a school or after attaining a similar grade of education elsewhere, and has been taught the prescribed courses in the institution ;

- (ii) has her name submitted to the Registrar by the Head of the institution which she has most recently attended ; and
- (iii) submits the following certificates signed by the Head of the institution which she has most recently attended :
 - (1) of good character ;
 - (2) of having completed an adequate course of study in the subjects in which the candidate wishes to be examined ;
- (b) a private student admitted by special order of the Senate in accordance with any rules made by the Women's Diploma Board and approved by the Syndicate.

11. In order to be eligible for the Diploma in Arts for Women a candidate shall read for three years in a recognised institution and gain the requisite certificates. A private candidate must gain the requisite certificates and shall not be eligible for the Diploma until two calendar years have elapsed since the date of qualifying for the first certificate.

12. The following shall be the subjects for the Diploma Examination :—

Compulsory :—

(1) English	...	...	3 years.
(2) History (Indian and English)	3	..	
(3) Modern Indian Language	...	3	..
(4) Domestic Economy	...	2	..
(5) Arithmetic	...	...	1 year.

Elective (any three to be taken):—

- | | | |
|--|-----|---------|
| (1) Elementary Science (Physics and Chemistry) | ... | 2 years |
| (2) Elementary Biology | ... | 2 " |
| (3) Drawing and Painting | ... | 2 " |
| (4) Geography | ... | 2 " |
| (5) Music | ... | 2 " |
| (6) Oriental classics or European language | ... | 2 " |
| (7) Hand work | ... | 1 year. |

13. Each candidate who satisfies the examiners in any subject shall receive a certificate of Proficiency in that subject. A candidate who has gained five certificates in compulsory subjects and three others shall be entitled to a Diploma.

Higher Diploma Examination.

14. This examination shall be open to any student who has become entitled to a Diploma in Arts for Women, and either:—

- (a) has been enrolled in an institution recognised for this purpose by the Women's Diploma Board constituted under Regulation 9, and has been taught the prescribed courses in the institution; and
 - (i) has her name submitted to the Registrar by the Head of the institution which she has most recently attended; and
 - (ii) submits the following certificates signed by the Head of the institution which she has most recently attended—
 - (1) of good character;
 - (2) of having completed an adequate course of study in the subjects in which the candidate wishes to be examined;

or (b) a private student admitted by special order of the Senate in accordance with any rules made by the

Women's Diploma Board and approved by the Syndicate.

15. The following shall be the subjects for the Higher Diploma Examination:—

- (1) Advanced English.
- (2) Period of History.
- (3) Biology.
- (4) Advanced Music.
- (5) Advanced Art Work.
- (6) Mother Craft and Child Psychology.

16. Each candidate who satisfies the examiners in any subject shall receive a separate certificate of Higher Proficiency in that subject. A candidate who has gained three Higher Proficiency Certificates shall be entitled to a Higher Diploma.

APPENDICES A & B.

Under consideration.

XII.C.—EXAMINATIONS IN THE FACULTIES.

(i) *ORIENTAL FACULTY.*

INTERMEDIATE EXAMINATION.

ORIENTAL FACULTY.

1. The Intermediate Examination shall be held annually at such places as may be appointed by the Syndicate* by a notice issued at least six months

* For this examination the following places have already been appointed:—

Lahore, Amritsar and Srinagar.

before the date fixed for the examination, and the examination shall begin on the second Monday in April or on such other date as may be fixed by the Syndicate.

2. The examination shall be open to—

(a) any College student, who—

(i) has been enrolled for two academic years in a College affiliated to the University;

(The Syndicate shall have power to condone any deficiency in this period for very special reasons.)

(ii) has passed not less than two academic years previously the M.S.L.C. Examination of the Panjab University, with a Classical Language—Sanskrit, Arabic or Persian—as one of his subjects;

(iii) has his name submitted to the Registrar by the Head of the College he has most recently attended; and

(iv) submits the following certificates signed by the Head of the College he has most recently attended—

(1) of good character;

(2) of having attended not less than two-thirds of the full course of lectures delivered in the subjects in which he wishes to be examined.

(A deficiency in the number of lectures may be condoned for very special reasons under Regulation 7 of Chapter III).

(b) any Private student admitted under Regulations XI by special order of the Senate.

The Syndicate will take into consideration any application to constitute any other place a centre of examination, provided it be shown that satisfactory arrangements can be made thereat, and that such application be sent to the Syndicate at least six months before the date of the examination.

Provided that the Syndicate or the determining authority under Regulation 7 of Chapter III shall have power to exclude any candidate from the examination if it is satisfied that such candidate is not a fit person to be admitted thereto.

3. Every candidate shall forward his application to the Registrar, at least eight weeks before the commencement of the examination, accompanied by a fee of ten rupees, and a statement showing the place at, and the subjects in, which he desires to be examined, and recording the Vernacular he proposes to use for translation. A candidate who fails to pass or to present himself for examination shall not be entitled to a refund of the fee; but he may be admitted to one or more subsequent examinations on payment of a like fee of ten rupees on each occasion.

3-A. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay additional fee of Rs. 5. Provided that such application shall only be entertained up to four weeks before the commencement of the examination.

4. The examination shall be conducted by means of written papers, the same questions being set in every place where the examination is held.

The questions set by the examiners shall be set in English and the answers written by the candidates may be in English or any Vernacular of India recognised by the University in the case of all subjects except English, in which the medium shall be English.

5. Every candidate shall be required to take up *four* subjects, and *four* only. Three of the subjects shall be fixed, and the candidates shall be allowed to select the remaining subject as hereinafter provided.

*6. The following are the subjects of examination:—

* For the purposes of these Regulations, Indian Vernacular means Urdu, Hindi and Panjabi (*Synd. Proc.*, 8th May, 1925, para. 8).

1. Sanskrit, Arabic or Persian.
2. English.
3. History.
4. An Indian Vernacular.

*7. The following is the scale of marks allotted to each subject:—

	<i>Marks.</i>
1. Sanskrit, Arabic or Persian ...	300
2. English ...	100
3. History ...	100
4. An Indian Vernacular ...	100

8. The minimum number of marks required to pass this examination shall be *thirty-three* per cent. in each subject.

9. Candidates who gain *sixty-five* per cent. of the aggregate number of marks or more shall be placed in the first division; those who gain not less than *fifty* per cent. in the second division; and all below in the third division.

Any student who has obtained 40 per cent. of the aggregate number of marks, but has failed in one subject only, obtaining not less than 25 per cent. in that subject, shall be admitted to an examination in that subject only about the end of September of the same year, or, if he fail to pass or present himself for the examination then, at the next University examination in April on payment of a fee of ten rupees on each occasion; and if he pass in that subject in either of those examinations, he shall be deemed to have passed the Intermediate Examination.

The candidate appearing in the examination in September of the same year shall ordinarily forward his application to the Registrar at least five weeks before the commencement of the examination accompanied by the prescribed fee. Whenever the application or fee of the candidate is received more than three days after

* For the purposes of these Regulations, Indian Vernacular means Urdu, Hindi and Panjabi (*Synd. Proc.*, 8th May, 1925, para. 8).

the last date prescribed above, he shall pay additional fee of Rs. 5, provided that such application shall only be entertained up to two weeks before the commencement of the examination. The candidate appearing in April examination shall in this respect be governed by Regulations 3 and 3-A.

Candidates to whom this concession is granted shall be allowed to read for the Degree of Bachelor in the College, provided they join on or before the last date prescribed for admission to the Third Year class.

Provided further that no candidate who passes under this Regulation shall be eligible for a scholarship.

10. An outline of the tests in each subject (which can be changed from time to time by the Syndicate, with the approval of the Senate), is given in Appendix A.

11. The Courses of Reading prescribed by the Senate are specified in Appendix B. In cases where text-books are prescribed, the candidates will be required not only to show a thorough knowledge of the text-books, but also to answer questions of a similar standard, set with a view of testing their general knowledge of the subject. Courses of reading can be changed from time to time by the Syndicate, with the approval of the Senate, such changes being always duly notified at least two years before the date of the examination in which they will take effect.

12. Five weeks after the commencement of the examination or as soon thereafter as is possible, the Registrar shall publish a list of candidates who have passed, arranged in three divisions, the first and second being in order of merit. Each successful candidate shall be granted a certificate stating the division in which he has passed.

13. Any candidate who has passed the Proficiency, High Proficiency or Honours Examination in Arabic or Sanskrit, or the High Proficiency or Honours Examination in Persian, shall be exempted, if he so desire, from passing in that language, provided that he

goes up for the Intermediate Examination within two years of his having passed the Proficiency, High Proficiency or Honours Examination, and that in awarding marks for that language in which he may have obtained a certificate, "pass marks" be taken as representing the value of these marks.

APPENDIX A.

An outline of the tests in each subject is given below:—

I.—A Classical Language—

Sanskrit, Arabic or Persian of the Proficiency Standard—

Four written papers of three hours each—				Marks.
(a) Poetry	...	...	...	75
(b) Prose	...	...	...	75
(c) Grammar	...	...	...	75
(d) Translation from the Classical Language into the Vernacular and <i>vice versa</i> .				
			(35 plus 40)	75
				<hr/> 300 <hr/>

II.—English—

Two written papers of three hours each—

Paper A to consist of two parts:—

Part I.—Set books	40	} 50
(Set books to be prescribed as at present)				
Part II.—Paraphrasing or summarising of an Unseen passage	...	...	10

Paper B to consist of two parts:—

Part I.—Composition, Applied Grammar, and Essay	37	} 50
(Syllabus as in Appendix B).		
*Part II.—Translation from the Vernaculars to English, or in the case of female candi- dates, composition at the option of the candidate	13	

100

* The Examiner should emphasise in the passage selected for translation disparity of idiom and grammatical structure in the

Ability to write English with a fair degree of accuracy shall be required.

Note.—All candidates will be required to secure in Paper (b) a minimum of 33 per cent, of the marks allotted to that paper.

III.—History of the Intermediate in Arts Standard—

Two written papers of three hours each—	<i>Marks.</i>
<i>Paper (a)</i> Compulsory—General Outlines of Indian History (Hindu and Moham- medan periods)	50
<i>Paper (b)</i> One of the following:—	
(i) British History, or	} 50
(ii) The ancient and mediæval periods of European History, or	
(iii) The modern period of European History	
	<hr/> 100 <hr/>

IV.—An Indian Vernacular—

Two written papers of three hours each—	
<i>Paper (a)</i> As for the Additional Vernacular Paper for Intermediate	50
<i>Paper (b)</i> Prose and Poetry	50
	<hr/> 100 <hr/>

EXAMINATION FOR THE DEGREE OF BACHELOR OF ORIENTAL LEARNING.

1. An examination for the Degree of Bachelor of Oriental Learning shall be held annually at such places as may be appointed by the Syndicate, beginning on the second Monday in April, or on such other date as may be fixed by the Syndicate.

two languages. The aim should be a testing of the candidate's comprehension of sentence structure, idiom, and the like rather than his vocabulary. (The passages set must always be the same in all vernaculars.)

2. The examination shall be open to—

(a) any College student who—

- (i) has been enrolled for two academic years in a College affiliated to the University.

(The Syndicate shall have power to condone any deficiency in this period for very special reasons);

- (ii) has passed not less than two academic years previously the Intermediate Examination in the Oriental Faculty of the University of the Panjab, or is a graduate in the Faculty of Arts of the University of the Panjab or (subject to the sanction of the Academic Council) of any other recognised University;

- (iii) has his name submitted to the Registrar by the Head of the College he has most recently attended; and

- (iv) submits the following certificates signed by the Head of the College he has most recently attended—

- (1) of good character;

- (2) of having attended not less than two-thirds of the full course of lectures delivered in the subjects in which he wishes to be examined.

(A deficiency in the number of lectures may be condoned for very special reasons under Regulation 7 of Chapter III);

- (b) any private candidate who is admitted under Regulations XI by the special order of the Senate, and who has passed not less than two years previously the Intermediate Examination in the Oriental Faculty of the University of the Panjab, or is a graduate in the Faculty of Arts of the University of the Panjab or (subject to the sanction of

the Syndicate) of any other recognised University.

Provided that the Syndicate or the determining authority under Regulation 7 of Chapter III shall have power to exclude any candidate from the examination, if it is satisfied that such candidate is not a fit person to be admitted thereto.

3. Every candidate shall ordinarily forward his application to the Registrar at least eight weeks before the commencement of the examination, accompanied by a fee of fifteen rupees, and a statement showing the subject in which he desires to be examined and recording the Vernacular he proposes to use for translation. A candidate who does not forward his application to the Registrar at least eight weeks before the date fixed for the examination can only be admitted by a special direction of the Syndicate. A candidate who fails to pass, or to present himself for examination, shall not be entitled to claim a refund of the fee; but he may be admitted to one or more subsequent examinations on payment of a like fee of fifteen rupees on each occasion.

3-A. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay additional fee of Rs. 5. Provided that such application shall only be entertained up to four weeks before the commencement of the examination.

4. The examination shall be conducted by means of written papers.

The questions set by the examiners shall be set in English and the answers written by the candidate may be in English or any Vernacular of India recognised by the University in the case of all subjects except English in which the medium shall be English.

5. Every candidate shall be required to take up *three* subjects and *three* only. Two of the subjects shall be fixed, and the candidate shall be allowed to select the remaining subject, as hereinafter provided.

*6. The following are the subjects of examination:—

1. Sanskrit, Arabic or Persian.
2. English or History.
3. An Indian Vernacular.

*7. The following is the scale of marks allotted to each subject:—

<i>Subjects.</i>		<i>Marks.</i>
1. Sanskrit, Arabic or Persian	...	300
2. English or History	...	100
3. An Indian Vernacular	...	100

8. The minimum number of marks required to pass this examination shall be *forty* per cent. in the fixed subject, in one other subject, and in the aggregate, and *thirty-three* per cent. in the third subject.

9. Candidates who gain *sixty-five* per cent. of the aggregate number of marks or more shall be placed in the first division; those who gain not less than *fifty* per cent. in the second division; and all below in the third division.

Any student who has obtained 50 per cent. of the aggregate number of marks, but has failed in one subject by not more than 5 marks, shall be deemed to have passed.

10. An outline of the tests in each subject (which can be changed from time to time by the Syndicate with the approval of the Senate) is given in Appendix A.

11. The Courses of Reading prescribed by the Senate are specified in Appendix B. In cases where text-books are prescribed, the candidates will be required not only to show a thorough knowledge of the text-books, but also to answer questions of a similar standard set with a view of testing their general knowledge of the subject. Courses of reading can be changed from time to time by the Syndicate, with the

* For purposes of these Regulations, Indian Vernacular means Urdu, Hindi and Panjabi (*Synd. Proc.*, 8-5-25, para. 8).

approval of the Senate, such changes being always duly notified at least two years before the date of the examination in which they will take effect.

12. Four weeks after the commencement of the examination, or as soon thereafter as is possible, the Registrar shall publish a list of the candidates who have passed, arranged in three divisions, each in order of merit. Each successful candidate shall receive, with his degree, a certificate stating the division in which he has passed.

13. Any candidate who has passed the High Proficiency or Honours Examination in Arabic or Sanskrit or the Honours Examination in Persian, shall be exempted, if he so desire, from passing in that language provided that he goes up for the B.O.L. Examination within two years of his having passed the High Proficiency or Honours Examination, and that in awarding marks for that language in which he may obtain a certificate, "pass marks" be taken as representing the value of those marks.

APPENDIX A.

An outline of the tests in each subject is given below:—

I.—A Classical Language—

Sanskrit, Arabic or Persian of the High Proficiency Standard—

Four written papers of three hours each—				Marks.
* (a) Poetry	...	...	...	75
* (b) Prose	...	...	...	75
† (c) Grammar	...	...	...	75
(d) Translation from the Classical Language into the Vernacular and <i>vice versa</i>	35			} 75
Composition	...	...	40	
				<hr/> 300

* A question or two on the History of Literature be set in Sanskrit and Arabic papers (a) and (b).

† In the case of Persian, Grammar and History of Literature.

II.—English of the Bachelor of Arts Standard—

Three written papers of three hours each—

<i>Paper (a)</i>	...	...	...	35
<i>Paper (b)</i>	...	...	...	30
<i>Paper (c)</i>	...	...	...	35
				<hr/> 100 <hr/>

Or

History of the Bachelor of Arts Standard—

Two written papers of three hours each—

<i>Paper (a)</i>	...	...	...	50
<i>Paper (b)</i>	...	...	...	50
				<hr/> 100 <hr/>

III.—An Indian Vernacular—

Two written papers of three hours each—

(a) Poetry and Prose	...	...	...	50
(b) Prosody, Rhetoric and Composition	...	...	...	50
				<hr/> 100 <hr/>

EXAMINATION FOR THE DEGREE OF
MASTER OF ORIENTAL LEARNING.

1. An examination for the Degree of Master of Oriental Learning shall be held annually at such places as may be appointed by the Syndicate, beginning on the second Monday in April, or on such other date as may be fixed by the Syndicate.

2. The examination shall be open to—

(a) any College student who—

(i) has been enrolled for at least one year in a College affiliated to the University.

(The Syndicate shall have power to condone any deficiency in this period for very special reasons);

- (ii) is a Bachelor of Oriental Learning of the University of the Panjab; or a Master of Arts of the University of the Panjab; or (subject to the sanction of the Academic Council) of any other recognised University;
 - (iii) has his name submitted to the Registrar by the Principal of the College he has most recently attended; and
 - (iv) submits a certificate of good character and of having attended two-thirds of the full course of lectures delivered in the subject in which he wishes to be examined.
- (A deficiency in the number of lectures may be condoned for very special reasons under Regulation 7 of Chapter III);
- (b) any Private student admitted under Regulations XI by special order of the Senate.

3. Candidates for the Degree of Master of Oriental Learning shall be examined in one of the following languages—

- 1. Sanskrit.
- 2. Arabic.
- 3. Persian.

4. Every candidate for admission shall forward his application to the Registrar at least eight weeks before the commencement of the examination, accompanied by a fee of forty rupees, and a statement showing the subject in which he desires to be examined and recording the Vernacular he proposes to use for translation. A candidate who fails to pass or to present himself for the examination shall not be entitled to claim a refund of the fee; but he may be admitted to one or more subsequent examinations on payment of a like fee of forty rupees on each occasion.

4-A. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay additional fee of

Rs. 5. Provided that such application shall only be entertained up to four weeks before the commencement of the examination.

5. The minimum number of marks required to pass this examination shall be *fifty* per cent. in the aggregate and *thirty-three* per cent. in each paper, excepting the paper set on composition (including Essay and Translation), for which *fifty* per cent. shall be required.

6. Candidates who gain *seventy* per cent. or more of the aggregate marks shall be placed in the first division; those who gain not less than *sixty* per cent., in the second division; and all below, in the third division.

6-A. Four weeks after the commencement of the examination, or as soon as is possible, the Registrar shall publish a list of the candidates who have passed, arranged in three divisions, the first and second being in order of merit. Each successful candidate shall receive with his degree, a certificate stating the division in which he has passed.

7. The examination shall be as prescribed for the Honours in Sanskrit (*Shastri*) or Arabic (*Maulvi Fazil*) or Persian (*Munshi Fazil*) Examinations respectively, subject to the provisions of Rules 5 and 6 and to the additional test hereinafter prescribed.

8. A written paper of questions shall be set on the Literature of the Language taken up by the candidate, which shall also include questions on the Philosophical Systems connected with that Literature.

9. The questions set by the examiners shall be set in English. All answers shall be written in the Vernacular language which has been selected by the candidate as the medium of examination in his application, and every candidate shall be required to write in the language selected by him for examination an Essay on a subject connected with the History or Literature of that language.

10. Six papers of three hours each shall be set in each language.

11. Any Master of Oriental Learning may, on payment of a fee of forty rupees, be admitted to this examination in a language other than that in which he was previously examined, and may, if his attainments come up to the standard prescribed, be granted a certificate to that effect, stating the division in which he has passed.

12. Any person who has passed the M.A. Examination of the Panjab University in Sanskrit, Arabic or Persian and the Honours Examination in Sanskrit, Arabic or Persian respectively (Shastri, Maulvi Fazil or Munshi Fazil) shall be eligible for admission to the Degree of M.O.L. without further examination.

12-A. Diplomas conferring the Oriental Literary Titles of Maulvi Fazil, Shastri or Munshi Fazil shall be granted to persons who pass this examination in Arabic, Sanskrit or Persian, respectively.

THE DEGREE OF DOCTOR OF ORIENTAL LEARNING.*

1. Every candidate for the Degree of Doctor of Oriental Learning shall be required to—

- (i) produce a certificate that he has taken the Degree of Master of Oriental Learning in the subject with which his thesis is connected;
- (ii) prove to the satisfaction of the Syndicate that for not less than two years after passing his examination for the Degree of Master he has pursued an advanced course of study bearing upon the subject selected by him for the degree;

* See *Synd. Resolution*, 20th April, 1917.

- (iii) submit an approved thesis on a subject previously accepted by the Academic Council, showing evidence of original works; and
- (iv) pass an examination, oral or written, if required by the Examiners, on the subject of his thesis and cognate subjects.

2. Every candidate shall forward with his application a fee of rupees two hundred.

3. *Two Examiners shall be appointed who shall both read the thesis and all the answer-papers, if any, and shall satisfy themselves that the thesis is the candidate's own work, and shall each present a report to the Syndicate stating whether, in their opinion, the candidate is, by reason of his attainments, a fit person to receive the Degree of Doctor.

In the event of a difference of opinion between the two Examiners the Syndicate shall have power to appoint a third Examiner.

The Registrar shall publish the result in accordance with the decision of the Syndicate.

† DIPLOMAS AND LITERARY TITLES IN ORIENTAL LANGUAGES.

1. Three examinations, for Proficiency, High Proficiency and Honours, respectively, shall be held in each of the following subjects, namely:—

The Arabic Language and Literature;
The Sanskrit Language and Literature;
The Persian Language and Literature.

* Both the Examiners to be selected from Universities in Europe (*Syndicate Proceedings*, dated the 15th March, 1927, paragraph 41).

† Prajna Examination of this University has been recognised as equivalent to the Prathama and the Visharad Examination as equivalent to the Madhyama Examination of the Bihar and Orissa Sanskrit Association.

They shall be held annually at such places as may be appointed by the Syndicate* and shall begin in the first week of May, or on such other date as may be fixed by the Syndicate.

2. These examinations shall be open to—

(a) any student who—

(i) has been enrolled in an affiliated institution during at least one year previous to the examination.

(The Syndicate shall have power to condone any deficiency in this period for very special reasons);

(ii) has his name submitted to the Registrar by the Head of the affiliated institution he has most recently attended; and

(iii) submits the following certificates signed by the Head of the institution he has most recently attended—

(1) of good character, and

(2) of having attended not less than two-thirds of the lectures delivered in the subject in which he wishes to be examined during the period that he has been enrolled in the institution from which he appears.

(A deficiency in the number of lectures may be condoned for very special reasons under Regulation 7 of Chapter III);

(b) any Private student admitted under Regulations XI by the special order of the Senate.

* For these examinations the following places have been appointed: Lahore, Srinagar, Peshawar, Multan, D. I. Khan, Amritsar, Ludhiana, Hoshiarpur, Rawalpindi, Hissar, and Qadian.

The Syndicate will take into consideration any application to constitute any other place a centre of examination, provided it be shown that satisfactory arrangements can be made thereat, and that such application be sent to the Syndicate at least six months before the date of the examination.

*(c) After the year 1923 the Shastri Examination shall be open only to such candidates as have passed:—

- (i) the Visharad Examination of the University of the Panjab;
- (ii) the M.A. Examination in Sanskrit of the University of the Panjab;
- †(iii) Madhyama Examination of Benares, of Jaipur, or the Sanskrit Titles Examination of the Calcutta University, or any other equivalent examination approved by the Academic Council.

3. Every candidate shall forward his application to the Registrar at least six weeks before the commencement of the examination, accompanied by the proper fee, and a statement showing the place at, and the examination in, which he desires to be examined. A candidate who fails to pass or to present himself for examination shall not be entitled to claim a refund of the fee, but he may be admitted to one or more subsequent examinations on payment of the proper fee on each occasion.

3-A. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay additional fee

* For the purposes of this Regulation, the following examinations have been recognised:—

- (a) M.A. Examination in Sanskrit of any of the Indian Universities as equivalent to the M.A. Sanskrit Examination of this University (*Academic Council Proceedings*, dated the 6th March, 1933, para. 10).
- (b) Madhyama Examination of Bihar and Orissa and Vidya Vachaspati Examination of the Dayanand Brahma Mahavidyala, Lahore, as equivalent to the Visharad Examination of this University (*Academic Council Proceedings*, dated 28-11-1928 and 23-10-1929, paragraphs 3 and 1, respectively).

† 'Madhyama Examination of Jaipur' means the Upadhiyaya examination, held in Jaipur, in Vyakarana and Kavya and Sahitya only (para. 5, *Synd. Proc.*, dated 7th May, 1926).

equivalent to half the amount of the examination fee subject to a maximum of Rs. 5. Provided that such application shall only be entertained up to three weeks before the commencement of the examination.

4. The following fees shall be levied:—

	Rs.	A.	P.
For admission to the Proficiency Examination in any of the three languages.	7	0	0
For admission to the High Proficiency Examination in any of the three languages.	10	0	0
For admission to the Honours Examination in any of the three languages.	15	0	0

5. The examinations shall be conducted by means of written papers, the same questions being set in every place where the examination is held.

Urdu shall be the medium of examination for examinations in Arabic and Persian.

Six papers of questions shall be set in each examination; and three hours shall be allowed for each paper.

Provided further that the candidates for Visharad and Shastri Examinations shall be allowed the option of taking two additional papers in Hindi, and the candidates for Maulvi Alim, Maulvi Fazil, Munshi Alim and Munshi Fazil Examinations the option of taking two additional papers in Urdu.

6. The marks allotted to each written paper shall be one hundred except that in the case of additional papers in Hindi and Urdu the marks allotted shall be fifty in each paper.

The minimum marks required to pass shall be *twenty-five* in each paper and *thirty-three* per cent. in the aggregate in the case of the Proficiency, *thirty* in each paper and *forty* per cent. in the aggregate in

the case of the High Proficiency, and *thirty-three* in each paper and *forty-five* per cent. in the aggregate in the case of Honours Examination. In the

Proficiency
High Proficiency Examination any candidate who has obtained $\frac{\text{thirty-three}}{\text{forty-five}}$ per cent. of the aggregate number of marks but has failed in one paper only, obtaining not less than $\frac{\text{twenty}}{\text{twenty-five}}$ marks in that paper shall be admitted to an examination in that paper only at a supplementary examination to be held in the month of October of the same year or, if he fails to pass or present himself for the examination then, at the next annual University Examination, on payment of the same fee on each occasion as for the whole examination, and if he pass in that paper in either of those examinations he shall be deemed to have passed the Proficiency
High Proficiency Examination.

The candidate shall ordinarily forward his application to the Registrar at least thirty days before the commencement of the examination accompanied by the proper fee. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay an additional fee equivalent to half the amount of the examination fee subject to a maximum of Rs. 5. Provided that such application shall only be entertained up to fifteen days before the commencement of the examination.

The name of the Vernacular in which a candidate has qualified himself shall be mentioned on his certificate if he obtain not less than $\frac{\text{forty}}{\text{fifty}}$ per cent. of the aggregate number of marks for the Optional Paper in the High Proficiency
Honours Examination.

7. Candidates who gain *sixty-five* per cent. or

more of the *aggregate marks in the Proficiency, High Proficiency and the Honours Examinations, shall be placed in the first division; those who gain *fifty* per cent. or more in the Proficiency and High Proficiency or *fifty-five* per cent. or more in the Honours Examination shall be placed in the second division, and all below in the third division.

8. Four weeks after the commencement of the examination or as soon thereafter as is possible, the Registrar shall publish a list of the candidates who have passed, arranged in three divisions, each in order of merit. Each successful candidate shall be granted a certificate stating the examination passed by him and his position on the list of merit.

9. Any person who has passed any of the following examinations in Oriental Languages shall be exempted from passing in that language in the corresponding Degree Examination (whether in the Oriental or Arts Faculty) entered opposite thereto, provided that the candidate goes up within two years, and that in awarding marks for that language in which he may have obtained a certificate, "pass marks" be taken as representing the value of those marks:—

Proficiency in Arabic, Sanskrit or Persian.	Matriculation Examination.
Proficiency in Arabic or Sanskrit, or High Proficiency in Persian.	Intermediate Examination.
High Proficiency in Arabic or Sanskrit, or Honours in Persian.	Bachelor of Oriental Learning or Bachelor of Arts.

10. Diplomas conferring the Oriental Literary Titles of *Maulvi Fazil*, *Shastri* or *Munshi Fazil* shall be granted to persons who shall pass the examination for Honours in Arabic, Sanskrit or Persian, respectively.

* The marks of the Additional Vernacular paper are included in the aggregate.

11. Diplomas conferring the Oriental Literary Titles of *Maulvi Alim*, *Visharada* or *Munshi Alim* shall be granted to persons who shall pass the examination for High Proficiency in Arabic, Sanskrit or Persian, respectively.

12. The Courses of Reading prescribed by the Senate are specified in Appendix A. In cases where text-books are prescribed, the candidates will be required not only to show a thorough knowledge of the text-books, but also to answer questions of a similar standard set with a view of testing their general knowledge of the subject. Courses of reading can be changed from time to time by the Syndicate with the approval of the Senate.

APPENDIX B. (*See Chapter XXI.*)

Courses of Reading prescribed in the Oriental Languages and Literature.

EXAMINATIONS IN VERNACULAR LANGUAGES.

1. Three examinations, the Proficiency, High Proficiency, and Honours Examinations, respectively, shall be held in each of the following Vernacular languages, namely:—

The Urdu Language and Literature;
 The Hindi Language and Literature;
 The Panjabi Language and Literature;
 The Pashto Language and Literature.

They shall be held annually at such places as may be appointed by the Syndicate* and shall begin in the

* For these examinations the following places have been appointed: Amritsar, Lahore, Multan, Jullundur, and Peshawar.

first week of May or on such other date as may be fixed by the Syndicate.

2. These examinations shall be open to—

(a) any student who—

(i) has been enrolled in an institution affiliated to the University during at least one year previous to the examination.

(The Syndicate shall have power to condone any deficiencies in this period for very special reasons shown);

(ii) has his name submitted to the Registrar by the Head of the institution which he has most recently attended; and

(iii) submits the following certificates signed by the Head of the institution which he has most recently attended—

(1) of good character;

(2) of having attended not less than two-thirds of the lectures delivered in the subjects in which he wishes to be examined during the period that he has been enrolled in the institution from which he appears.

(A deficiency in the number of lectures may be condoned for very special reasons under Regulation 7 of Chapter III);

(b) a private student admitted under Regulations XI by special order of the Senate.

3. Every candidate shall forward his application to the Registrar at least six weeks before the commencement of the examination, accompanied by the proper fee, and a statement showing the place at,

The Syndicate will take into consideration any application to constitute any place a centre of examination, provided it be shown that satisfactory arrangements can be made thereat, and that such application be sent to the Syndicate at least six months before the date of the examination.

and the examination to, which he desires to be admitted. A candidate who fails to pass or to present himself for examination shall not be entitled to claim a refund of the fee, but he may be admitted to one or more subsequent examinations on payment of the proper fee on each occasion.

3-A. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay additional fee equivalent to half the amount of the examination fee subject to a maximum of Rs. 5. Provided that such application shall only be entertained up to three weeks before the commencement of the examination.

4. The fees prescribed are as follows:—

	Rs.	A.	P.
For admission to the Proficiency Examination in any Language.	7	0	0
For admission to the High Proficiency Examination in any Language.	10	0	0
For admission to the Honours Examination in any Language.	15	0	0

5. The examination shall be conducted by means of written papers, the same questions being set in every place where the examination is held.

Urdu and Pashto shall be the medium of examination for examinations in Urdu and Pashto respectively.

Six written papers shall be set in each examination, except in the examination in the Pashto Language and Literature, in which four papers shall be set in each examination; and three hours shall be allowed for each paper.

6. One hundred marks shall be allotted to each question paper.

The minimum marks required to pass the Proficiency and High Proficiency Examinations shall be

40 per cent. in each paper, and to pass the Honours Examination shall be 50 per cent. in each paper.

In the Proficiency
High Proficiency Examination any candidate who has obtained 45 per cent. of the aggregate number of marks, but has failed in one paper only obtaining not less than *twenty-five* marks in that paper, shall be admitted to an examination in that paper only at a supplementary examination to be held in the month of October of the same year, or, if he fails to pass or present himself for the examination then, at the next annual University Examination, on payment of the same fee on each occasion as for the whole examination, and if he pass in that paper in either of those examinations he shall be deemed to have passed the Proficiency
High Proficiency Examination.

The candidate shall ordinarily forward his application to the Registrar at least thirty days before the commencement of the examination accompanied by the proper fee. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay additional fee equivalent to half the amount of the examination fee subject to a maximum of Rs. 5. Provided that such application shall only be entertained up to fifteen days before the commencement of the examination.

7. Four weeks after the commencement of the examination or as soon thereafter as is possible, the Registrar shall publish a list of the candidates who have passed, arranged in order of merit. Each successful candidate shall be granted a certificate stating the examination passed by him and his position on the list of merit.

8. The Courses of Reading prescribed by the Senate are specified in Appendix A. In cases where text-books are prescribed, the candidates will be required not only to show a thorough knowledge of the text-books, but also to answer questions of a similar

standard, set with a view of testing their general knowledge of the subject. Courses of reading can be changed from time to time by the Syndicate with the approval of the Senate.

APPENDIX B. (*See Chapter XXI.*)

Courses of Reading prescribed in Vernacular Languages.

***REGULATIONS RELATING TO QUALIFYING
IN ENGLISH ONLY AFTER PASSING AN
EXAMINATION IN AN ORIENTAL
CLASSICAL LANGUAGE OR AN
INDIAN VERNACULAR.**

1. A candidate who has passed a Proficiency Examination in an Oriental Classical Language or a Proficiency Examination in an Indian Vernacular may be permitted to qualify in English only of the M.S.L.C. standard by taking the English papers only of the M.S.L.C. Examination and, if successful, shall receive a certificate to that effect.

2. A candidate who has passed a High Proficiency Examination in an Oriental Classical Language or High Proficiency Examination in an Indian Vernacular may be permitted to qualify in English only up to the Intermediate standard by taking in different years the English papers only of the M.S.L.C. Examination and of the Intermediate Arts Examination and, if successful, shall receive certificate to that effect. Pro-

* A candidate under the Regulations can take two examinations in the same year at the time of the annual examination in different Faculties.

vided that if such candidate has either passed the M.S.L.C. Examination or has qualified in English only of the M.S.L.C. standard by taking the English papers only of the M.S.L.C. Examination, he may take the Intermediate English papers after passing the necessary examination in an Oriental Classical or Vernacular Language.

3. A candidate who has passed an Honours Examination in an Oriental Classical Language or in an Indian Vernacular may be permitted to qualify in English only up to the standard of the Bachelor of Arts Examination. For this purpose he may take the English papers only of the M.S.L.C., Intermediate and B.A. Examinations successively in different years and, if successful, shall receive certificates to that effect. Provided that if a candidate has already passed the M.S.L.C. Examination or the Intermediate Examination he shall not be required to qualify again in English only in these examinations.

4. A candidate who has passed an Honours Examination in an Oriental Language and has qualified in English of the B.A. standard under Regulation 3 above shall be eligible for admission to the Degree of Bachelor of Arts.

A candidate who has passed the Intermediate Examination in English only after passing an examination in an Indian Vernacular, shall be admitted to the B.A. degree if he subsequently first passes an Honours Examination in an Oriental Classical Language and then passes the B.A. test in English.

A candidate who appears and passes in the B.A. Examination in English only after taking Honours in an Indian Vernacular shall not be given the degree if he passes the Honours Examination in a Classical Language afterwards.

5. A candidate when appearing in English only shall pay half the usual fee for the examination concerned. Provided that a candidate when appearing in English only in the B.A. Examination to qualify

for the B.A. Degree shall pay a fee of rupees twenty-five.

6. A candidate appearing in English only shall for all other purposes be governed by the regulations dealing with the examination concerned.

7. *Transitory Regulation.*—Candidates who have passed an examination in an Oriental Classical Language or an Indian Vernacular in the year 1932 or prior to that shall for purposes of the examinations to be held in the year 1933, 1934 and 1935 be governed by the regulations in force for the examinations held in 1932.

(ii) *ARTS FACULTY.*

INTERMEDIATE EXAMINATION.

ARTS FACULTY.

1. The Intermediate Examination shall be held annually at Lahore and such other places* as may be appointed by the Syndicate by a notice issued at least six months before the date fixed for the examination, and the examination shall begin on the second Monday in April or such other date as may be fixed by the Syndicate.

* The following places have already been appointed:—Jullundur, Amritsar, Rawalpindi, Srinagar, Peshawar, Jammu, Patiala, Multan, Sialkot, Kapurthala, D. I. Khan, Delhi, Gujrat, Lyallpur, Ludhiana, Moga, Ghora Gali, Bahawalpur, Hoshiarpur, Gujranwala, Rohtak, Dharamsala, and Qadian.

The Syndicate will take into consideration any application to constitute any other place a centre of examination, provided it be shown that satisfactory arrangements can be made thereat, and that such application be sent to the Syndicate at least six months before the date of the examination

2. The examination shall be open to—

(a) any College student who—

(i) has been enrolled in a College affiliated to the University during the two academical years preceding the examination.

(The Syndicate may condone a deficiency in this period for very special reasons);

(ii) has passed not less than two academical years previously the Matriculation Examination in *either* the Arts or Science Faculty of the Panjab University, or (subject to the sanction of the Syndicate) any one of the following:—

(1) The Matriculation Examination in either the Arts or Science Faculty of any other recognised University;

* (2) the Final Standard Examination for European Schools in India;

* (3) the Cambridge School Certificate Examination†;

* (4) the Final Examination held in the Chiefs' Colleges; or

* Provided—(i) that the subjects specified on the certificate include—English Composition, History, Geography, and any two of—Latin or French, Mathematics (i.e., Arithmetic, Geometry and Algebra), Chemistry, Physics, Experimental Science, Botany, Agricultural Science, and (ii) that the candidate has passed the examination—(a) in Great Britain, or (b) from a European High School in India or after completing the course in one, or (c) after appearing with the sanction of the Syndicate (or School Final Board) after stating where he has been taught.

† Or the Higher Oxford Local Examination or School Final, Allahabad University (*Synd.*, 24th Feb., 1905, para. 10), or the School-Leaving Certificate Examination of the United Provinces of Agra and Oudh (*Synd.*, 13th January, 1913, para. 18), or Delhi Province (*Synd.*, 21st Nov., 1913), N.-W.F. School Final (*Senate*, 29-11-15), Madras School-Leaving Certificate Examination (*Synd.*, 2nd Feb., 1917), European School Final Examination at Rangoon qualifying for entering a College

- (5) any other examinations approved by the Syndicate;
- (iii) has his name submitted to the Registrar by the Head of the College he has most recently attended;
- (iv) produces the following certificates signed by the Head of the College he has most recently attended:—
 - (1) of good character;
 - * (2) of having attended not less than two-thirds† of the full courses of lectures delivered in each of the subjects in which he desires to be examined, and, except in the case of members of the University Training Corps, of having ‡ attended not less than fifty periods of physical training in the first year class in accordance with the rules framed by the Syndicate from time to time.

in Burma (*Synd.*, 2nd Nov., 1917) and Burma Anglo-Vernacular High School Examination, provided Mathematics is included (*Synd.*, 20th Feb., 1920), S.S.L.C. Exam. of Mysore (*Senate*, 17-6-1921), Admission Exam. of Benares Un. (*Senate*, 17-6-1921), Training Institution Exam. for Women Teachers, High School Board Exams. of U.P. and C.P. (*Senate*, 6-12-1924), Government Training Class Diploma Examination and Chelmsford Training Class Examination of Ghora Gali School (*Senate*, 12th December, 1925, and 29th May, 1926, respectively), High School Examination of the Board of Secondary Education, Delhi Province (*Senate*, 29th November, 1926), Royal Indian Military College Diploma (*Senate*, 9th May, 1927), High School Examination of the Board of Intermediate and Secondary Education, Dacca (*Senate*, 13th June, 1927), High School Examination for the European Schools in the Panjab (*Senate*, 21st March, 1928), School Certificate of the General School Examination, London (*Senate*, 14th May, 1928).

* Lectures delivered at a previous period could be counted towards the full courses of lectures delivered (*Synd. Proc.*, 16-2-23, para. 20).

† This applies to lectures in Vernacular optional paper as well (*Synd. Proc.*, dated the 5th November, 1925, para. 4).

‡ With effect from June 1932.

- (A deficiency in the number of lectures may be condoned for very special reasons under Regulation 7 of Chapter III);
- (3) in the case of a candidate intending to appear at a practical examination in Science, of having attended not less than two-thirds of the periods assigned to practical work in that subject (the minimum number of attendances required being forty);
- (4) in the case of a candidate intending to appear in Military Science, of having attended not less than two-thirds of the total number of parades held or fifty parades in two years, whichever is greater; each day in camp to count as one parade;
- (b) any private candidate, who is admitted under Regulations XI by the special order of the Senate and who has passed not less than two years previously one of the examinations enumerated above in (a) (ii):

Provided that a candidate who has passed the Cambridge School Certificate Examination may be admitted to this examination in the academical year following that in which he passes the Cambridge School Certificate Examination, if he has been enrolled in a College affiliated to the University during the twelve months preceding the examination.

Provided further that the Syndicate or the determining authority under Regulation 7 of Chapter III shall have power to exclude any candidate from the examination, if it is satisfied that such candidate is not a fit person to be admitted thereto.

3. Every candidate shall ordinarily forward his application to the Registrar, on the form prescribed, at least eight weeks before the commencement of the

examination, accompanied by a fee of twenty-five rupees, and an additional fee of rupees three in the case of the candidate taking up a Science subject, or in the case of a private candidate of thirty rupees, and an additional fee of rupees three in the case of the candidate taking up a Science subject, and a statement showing the place at, and the subjects in, which he desires to be examined. A candidate who fails to pass or to present himself for examination shall not be entitled to a refund of the fee; but he may be admitted to one or more subsequent examinations on payment of the above fee on each occasion.

3-A. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay additional fee of Rs. 5. Provided that such application shall only be entertained up to four weeks before the commencement of the examination.

4. English shall be the medium of examination in all subjects.

5. Every candidate shall be required to take up four subjects and four only. Two of the subjects shall be fixed, and the candidate shall be allowed to select two other subjects, as hereinafter provided.

6. The following are the subjects of examination :—

Fixed subjects.—

1. English.

2. A Classical Language (Sanskrit, Arabic, Hebrew, Greek or Latin, or Persian), or, in the case of candidates who have not passed the *Matriculation Examination in a Classical Language, French or German as an alternative to a Classical Language at their option, or, in the case of female candidates, French, German, or one of the Indian Vernaculars recognised by the University; or in the case of European candidates, or Indian students in the Lawrence College, Ghora Gali, Urdu or Hindi or Panjabi.

* The word "Matriculation" includes an examination recognised as its equivalent by the Syndicate (*vide* paragraph 8 of the *Syndicate Proceedings*, dated the 24th April, 1931).

Provided that candidates who joined the First Year Class
* in 1931 or 1932 may take French as an alternative to a
Classical Language although they have passed in a
Classical Language in the Matriculation Examination.

Elective subjects (two of the following may be taken)—

1. Mathematics.
2. Physics.
3. Chemistry.
4. Philosophy.
5. History.
6. Geography.
7. Economics.
8. Biology (Botany and Zoology).
9. Geology.

In addition to the above subjects there shall be an additional paper in an Indian Vernacular recognised by the University, or in French or German, which may be taken by any candidate not already taking an Indian Vernacular as a fixed subject.

Any candidate, who is a member of the Panjab University Training Corps or of the Panjab Rifles A.F. (I.) and has attended the prescribed number of the parades held, shall have the option of taking Military Science as an additional optional subject in place of an Indian Vernacular recognised by the University, or French or German.

Provided that Chemistry shall only be taken by a candidate taking Physics as one of his elective subjects.

Candidates shall be examined in the subjects of Hebrew, Greek, Latin, French, German, Pashto and Bengali only by the special permission of the Syndicate, for which application should be made six months previous to the date of the examination.

7. The marks allotted to each subject shall be one hundred and fifty except that in the case of Additional Paper in Indian Vernacular or in French or in German and in Military Science the marks allotted shall be fifty.

8. The minimum number of marks required to pass this examination shall be *thirty-three* per cent. in each subject.

In each Science subject this percentage is required in the written examination and in the aggregate, but only *twenty-five* per cent. is required in the practical examination.

A candidate shall receive no credit for marks obtained in the additional paper in the Indian Vernacular or in French or in German and in Military Science unless he obtains *thirty-three* per cent., in which case these marks shall be added to the total.

9. Candidates who gain *sixty-five* per cent. of the *aggregate number of marks or more shall be placed in the first division; those who gain not less than *fifty* per cent. in the second division; and all below in the third division.

Any student who has obtained 40 per cent. of the aggregate number of marks, but has failed in one subject only, obtaining not less than 25 per cent. in that subject, shall be admitted to an examination† in that subject only about the end of September of the same year, or, if he fails to pass or present himself for the examination then, at the next University Examination in April on payment of a fee of twenty-five rupees, and an additional fee of rupees three in the case of the candidate taking up a Science subject, or in the case of a private candidate of thirty rupees, and an additional fee of rupees three in the case of the candidate taking up a Science subject, on each occasion; and if he pass in that subject in either of these examinations, he shall be deemed to have passed the Intermediate Examination.

The candidate appearing in the examination in September of the same year shall ordinarily forward his

* The marks of the Additional Vernacular Paper are included in the aggregate.

† At Lahore (*vide Synd.*, dated 16th September, 1913).

application to the Registrar at least five weeks before the commencement of the examination accompanied by the prescribed fee. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay additional fee of Rs. 5, provided that such application shall only be entertained up to two weeks before the commencement of the examination. The candidate appearing in April examination shall in this respect be governed by Regulations 3 and 3-A.

Candidates to whom this concession is granted shall be allowed to read for the Degree of Bachelor in the College, provided they join on or before the last date prescribed for admission to the Third Year Class.

Provided further that no candidate who passes under this Regulation shall be eligible for a scholarship.

10. The Courses of Reading prescribed by the Senate are specified in Appendix B. In cases where text-books are prescribed, the candidates will be required not only to show a thorough knowledge of the text-books, but also to answer questions of a similar standard, set with a view of testing their general knowledge of the subject. Courses of reading can be changed from time to time in accordance with the Regulations by the Syndicate or the Academic Council as the case may be with the approval of the Senate, such changes being always duly notified at least two years before the date of the examination in which they will take effect.

11. An outline of the tests in each paper is given in Appendix A. This outline can be changed from time to time by the Syndicate or in accordance with the Regulations by the Academic Council, with the approval of the Senate.

12. Five weeks after the commencement of the examination or as soon thereafter as is possible, the Registrar shall publish a list of candidates who have passed, arranged in three divisions, the first and second being in order of merit. Each successful candidate

shall be granted a certificate stating the division in which he has passed.

13. Any candidate who has passed the Proficiency, High Proficiency or Honours Examination in Arabic or Sanskrit or the High Proficiency or Honours Examination in Persian, shall, if he so desire, be exempted from passing in that language, provided he goes up within two years of his so passing, and that in awarding marks for that language in which he may have obtained a certificate, "pass marks" be taken as representing the value of those marks.

14. Any candidate who has passed the Intermediate Examination in Arts or Science Faculty, and wishes to qualify for admission to a Medical College, may, in any subsequent year, appear in an additional test in the remaining subjects so as to make up the group of subjects for Medical College.

15. A student who has passed this examination may, on payment of Rs. 5, appear in the optional paper in French or German for the Intermediate Examination, and on obtaining pass marks in that subject be granted a certificate to that effect.

16. A student who has passed or appeared for this examination without taking a Classical Language may appear in the Intermediate in Arts Examination in a Classical Language only on payment of Rs. 5, and on obtaining pass marks in that subject shall be granted a certificate to that effect.

Provided that the answer-papers in the Classical Language of the candidate who has not passed the Intermediate Examination shall be examined only if he passes in the Intermediate Examination.

Candidates appearing under this Regulation shall be permitted to appear in the subject in the supplementary examination held in September.

17. A student who has passed this examination without taking French or German may appear in the Intermediate in Arts Examination in French or German only on payment of rupees five and if he obtain

pass marks in that subject shall be granted a certificate to that effect.

18. A candidate who has passed this examination may be allowed to appear at any subsequent examination in any one subject prescribed for the Intermediate Examination, whether for the Faculty of Arts or Science, but not offered by him, on payment of rupees five. Such a candidate, on obtaining pass marks in that subject, shall be granted a certificate to that effect. Candidates appearing under this Regulation shall be permitted to appear in the subject in the supplementary examination held in September.

APPENDIX A.

I.—English—

Marks

Two written papers of three hours each—

Paper A to consist of two parts:

Part I.—Set books	...	60	} 75
(Set books to be prescribed as at present).			
Part II.—Paraphrasing or summarising of an Unseen passage	...	15	

Paper B to consist of two parts:

Part I.—Composition, Applied Grammar, and Essay	...	55	} 75
(Syllabus as in Appendix B).			
*Part II.—Translation from the Vernaculars to English, or in the case of female candidates and candidates whose Vernacular is neither English nor an Indian Vernacular, composition at the option of the candidate	...	20	

150

* The Examiner should emphasise in the passage selected for translation disparity of idiom, and grammatical structure in the two languages. The aim should be a testing of the candidate's comprehension of sentence structure, idiom, and the like rather than his vocabulary. (The passages set must always be the same so far as Hindi, Urdu and Panjabi are concerned, but might be of equal difficulty in the case of other vernaculars.)

For candidates whose Vernacular is English (a Special Paper)—

(b) Paraphrasing, Essay and Composition ...	75
	<hr/>
	150
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Ability to write English with a fair degree of accuracy shall be required.

NOTE.—All candidates will be required to secure in Paper (b) a minimum of 33 per cent. of the marks allotted to that paper.

II.—Mathematics—

Two written papers of three hours each—	Marks.
(a) Algebra, Plane Geometry and Trigonometry ...	75
(b) Conics, analytical and geometrical, and Differential Calculus ...	75
	<hr/>
	150
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*III.—History—

Two written papers of three hours each—

<i>Paper (a)</i> History of India to 1526 and Civics—	
History of India to 1526 ...	60
Civics ...	15
	} 75
<i>Paper (b)</i> British History and Civics—	
British History ...	60
Civics ...	15
	} 75
	<hr/>
	150
	<hr/>

NOTE.—It is compulsory for every candidate to answer at least one question in the section on civics in each paper. An elementary knowledge of related Geography will be required in all cases.

* The Syndicate has decided to emphasise the importance of knowledge of Geography and has decided to request the Examiners to set some questions of geographical nature in all papers where possible, outline maps being supplied to the candidates if required (*Synd. Proc.*, 2-11-23, paragraph 14).

IV.—Geography—

Two written papers of three hours each, each divided into two parts—

				Marks.
<i>Paper (a)</i>	Part (i)	Regional Geography	... 35	} 70
	Part (ii)	General Geography	... 35	
<i>Paper (b)</i>	Part (i)	Cartography	... 40	} 80
	Part (ii)	Economic Geography	... 40	
				150

V.—Philosophy—

Two written papers of three hours each—

(a)	Logic	...	...	...	75
(b)	Psychology	...	...	...	75
					150

VI.—Chemistry—

<i>Paper I</i> ,	Inorganic and General Chemistry	...	50
<i>Paper II</i> ,	Organic Chemistry	...	50
Practical (including volumetric analysis)		...	50
			150

VII.—Physics—

Two written papers of three hours each—

(a)	First Paper—Mathematics, Mechanics, Heat and Sound	...	50
(b)	Second Paper—Light, Magnetism and Electricity	...	50
	Practical examination	...	50
			150

VIII.—Biology—

Marks.

Two written papers of three hours each—

(a) Botany	...	...	...	..	50
(b) Zoology	...	...	...	..	50

Practical examination—

(a) Botany	25	} 50
(b) Zoology	25	

150

IX.—A Classical Language—

Arabic, Hebrew, Greek or Latin—

Two written papers of three hours each—

(a) <i>Poetry</i> : Translation from the Classical Language into English and explanation of passages: Grammar	...	75	
(b) 1. <i>Prose</i> : Translation from the Classical Language into English and explanation of passages	...	40	} 75
2. Translation from English into the Classical Language	...	35	

150

Sanskrit—

Two written papers of three hours each—

(a) <i>Poetry</i> : Translation from Sanskrit into English and explanation of passages	...	50	! 75
Grammar	...	25	
(b) 1. <i>Prose</i> : Translation from Sanskrit into English and explanation of passages	...	40	} 75
2. Translation from English into Sanskrit	...	35	

150

X.—Persian—

Two written papers of three hours each—

(a) <i>Poetry</i> : Translation from Persian into English and explanation of passages: Grammar	...	...	...	75	
(b) 1. <i>Prose</i> : Translation from Persian into English and explanation of passages	...	...	...	40	} 75
2. Translation from English into Persian	...	...	...	35	

150

XI.—A. German—

Marks.

Two written papers of three hours each—

(a) <i>Poetry</i> : Translation from German into English and explanation of passages: Grammar ...	...	75	
(b) 1. <i>Prose</i> : Translation from German into English and explanation of passages ...	40	} 75	
2. Translation from English into German ...	35		
			150

XI.—B. French—

Two written papers of three hours each—

(a) Translation: French into English	...	60	
(i) Prose, (ii) Poetry	...	} 60	
(b) (i) Translation from English into French	...		
(ii) Short composition in French	...		
(iii) Grammar: Question on accidence and syntax. Common idioms	...		
(c) * <i>Oral</i> : Conversation and reading	...	30	
			150

XII.—Economics—

Two written papers of three hours each—

(a) As outlined in the Syllabus	...	...	75
(b) Ditto	...	...	75
			150

XIII.—A Vernacular Language (*for Female Candidates and Urdu or Hindi or Panjabi for European candidates or Indian students in Lawrence College, Ghoragali*)—

Two written papers of three hours each -

(a) <i>Poetry</i> —			Marks.
1. Translation from the Vernacular Language into English and explanation of passages	...	35	} 75
2. Translation from English into the Vernacular Language	...	20	
3. Grammar	...	20	

* It is not necessary to pass separately in oral (*vide* paragraph 4 of the *Syndicate Proceedings*, dated the 1st April, 1931).

<i>(b) Prose—</i>				<i>Marks.</i>
1. Translation from the Vernacular Language into English and explanation of passages	...	...	50	} 75
*2. Free Composition	...	...	25	
				150

XIV.—Additional Paper in an Indian Vernacular or French or German—

				<i>Marks.</i>
One paper of three hours	50

XV.—Military Science—

Practical test	50
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XVI.—Geology—

Two written papers of three hours each—

<i>Paper (a)</i>	The remainder of the subject	50
<i>Paper (b)</i>	Mineralogy, Petrology, and Volcanic Action	...	...	50
Practical examination	...	...	...	50
				<hr/> 150

APPENDIX B. (See Chapter XXI.)

Courses of Reading for the Intermediate Examination.

* To include letter-writing (*Syndicate Proceedings*, dated the 17th February, 1933, paragraph 13).

EXAMINATION FOR THE DEGREE OF BACHELOR OF ARTS.

1. An examination for the Degree of Bachelor of Arts shall be held annually at such places* as may be appointed by the Syndicate beginning on the second Monday in April or such other date as may be fixed by the Syndicate.

2. The examination shall be open to—

(a) any College student who—

(i) has been enrolled in a College affiliated to the University during the †two academical years preceding the examination (the Syndicate may condone a deficiency in this period for very special reasons) ;

(ii) has—

‡(1) passed not less than two academical years previously the Intermediate Examination in the Arts or Science Faculty of the Panjab University or (subject to

* Lahore, Amritsar, Peshawar, Srinagar, Jammu, Sialkot, Patiala, Rawalpindi, Bahawalpur, and Jullundur.

† The Syndicate has decided that by the words "during the two academical years preceding the examination" is meant throughout two academical years preceding the examination (*Synd. Proc.*, 17-4-25, para. 14).

Inter. Exam. of the Board of High School and Intermediate Education, U.P., recognised as equivalent to our Inter. Exam. (*Senate*, 6-12-24).

‡ Intermediate Examination of Andhra University recognised as equivalent to the Intermediate Examination of the Panjab University (*Academic Council Proceedings*, dated the 29th January, 1930, paragraph 11).

Intermediate Examination of the Benares Hindu University and the Annamalai University recognised as equivalent to the Intermediate Examination of the Panjab University (*Academic Council Proceedings*, dated the 19th March, 1930, paragraphs 21 and 22).

Higher School Certificate Examination conducted by the Cambridge Syndicate recognised as equivalent to the Intermediate Examination of the Panjab University (*vide* para. 7 of the *Academic Council*, dated the 29th March, 1933).

the sanction of the Academic Council) the First Arts or other equivalent examination of any other recognised University; *or*

- (2) has taken the degree of Bachelor of Oriental Learning with English as one of his subjects in the B.O.L. Examination; *or*
- (3) has passed the First Examination in Agriculture of the University of the Panjab and a test in Intermediate English poetry thereafter in the supplementary Intermediate Examination in September or in the next annual examination;
- (iii) has his name submitted to the Registrar by the Head of the College he has most recently attended;
- (iv) produces the following certificates signed by the Head of the College he has most recently attended—
 - (1) of good character;
 - (2) of having attended not less than two-thirds of the full courses of lectures delivered in each of the subjects in which he desires to be examined.
- (A deficiency in the number of lectures may be condoned for very special reasons under Regulation 7 of Chapter III);
- (3) in the case of a candidate intending to appear at a practical examination in Science,* of having attended not less than two-thirds of the periods assigned to practical work in that subject (the minimum number of attendances required being sixty);

* i.e. in a Science subject (*Synd.*, 17-12-15).

- (4) in the case of a candidate intending to appear in Military Science, of having attended not less than two-thirds of the total number of parades held or fifty parades in two years, whichever is greater: each day in camp to count as one parade;
- (b) any private candidate who is admitted under Regulations XI by the special order of the Senate, and who has passed not less than two years previously the Intermediate Examination in Arts, or some equivalent examination.

Provided that the Syndicate or the determining authority under Regulation 7 of Chapter III shall have power to exclude any candidate from the examination, if it is satisfied that such candidate is not a fit person to be admitted thereto.

3. Every candidate shall forward his application to the Registrar, at least eight weeks before the commencement of the examination, accompanied by a fee of thirty-five rupees, and an additional fee of rupees five in the case of the candidate taking up a Science subject, or in the case of a private candidate of forty rupees, and an additional fee of rupees five in the case of the candidate taking up a Science subject, and a statement showing the subjects in which he desires to be examined. A candidate who does not forward his application to the Registrar at least eight weeks before the date fixed for the examination, can only be admitted by a special direction of the Syndicate. A candidate who fails to pass or to present himself for examination shall not be entitled to claim a refund of the fee; but he may be admitted to one or more subsequent examinations on payment of the above fee on each occasion.

3-A. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay additional fee of

Rs. 5. Provided that such application shall only be entertained up to four weeks before the commencement of the examination.

4. English shall be the medium of examination in all subjects.

5. Every candidate shall be required to take up *three* subjects and *three* only, namely, English and two of the following:—

- (1) A Classical Language (Sanskrit, Arabic, Hebrew, Greek, or Latin, or Persian, or French).
- (2) A Course of Mathematics.
- (3) B Course of Mathematics.
- (4) History.
- (5) Political Economy.
- (6) Philosophy.
- (7) Physics, Chemistry, Geology, Botany or Zoology.
- (8) Astronomy, with optics and spherical Trigonometry
- (9) Political Science.

*In addition to the above subjects there shall be an additional paper in an Indian Vernacular, recognised by the University, which may be taken by any candidate.

†Any candidate, who is a member of the Panjab University Training Corps or of the Panjab Rifles A.F. (I.) and has attended the prescribed number of the parades held, shall have the option of taking Military Science as an additional optional subject in place of an Indian Vernacular recognised by the University.

Provided that no candidate shall take Physics or Chemistry who has not taken the corresponding subject in the Intermediate Examination, and provided that no candidate shall take (8) unless with (2), (3) or (7).

* For purposes of this Regulation an Indian Vernacular is intended to mean Urdu, Hindi and Panjabi (*Syndicate Proceedings*, dated 21st October, 1927, paragraph 25).

† It is not necessary for the candidate to have qualified himself in the Military Science as additional subject in the Intermediate Examination.

Candidates will be examined in the subjects of Hebrew, Greek, French, and Latin only by the special permission of the Syndicate, for which application should be made six months previous to the date of the examination.

6. One hundred and fifty marks shall be allotted to each subject except that in the case of Additional Paper in Indian Vernacular or in Military Science the marks allotted shall be fifty.

7. The minimum number of marks required to pass this examination shall be *forty* per cent. in English, in one other subject and in the aggregate of pass papers, and *thirty-three* per cent. in the third subject. In Physics, Chemistry, Geology, Botany, Astronomy and Zoology this percentage shall be required in both the practical and the written examinations.

In the case of Additional Paper in Indian Vernacular or in Military Science the minimum number of marks required to pass the examination shall be forty per cent. A candidate shall receive no credit for the marks obtained in this Paper unless he obtains forty per cent., in which case, these marks shall be added to the total.

In Military Science this percentage shall be required separately in both the practical and written examinations.

8. Candidates who gain *sixty-five* per cent. of the aggregate number of marks or more in the pass papers shall be placed in the first division; those who gain not less than *fifty* per cent. in the second division; and all below in the third division.

Any student who has obtained 45 per cent. of the aggregate number of marks but has failed in one subject only, obtaining not less than 25 per cent. of the marks in that subject, may be admitted to an examination in that subject only at a special supplementary examination to be held about the end of September of the same year, or, if he fail to pass or present himself for the examination then, at the

next annual examination, on payment of the same fee as for the whole examination on each occasion; and if he pass in that subject in either of those years he shall be deemed to have passed the examination for the Degree of Bachelor of Arts.

The candidate appearing in the examination to be held in September of the same year shall ordinarily forward his application to the Registrar at least five weeks before the commencement of the examination accompanied by the prescribed fee. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay additional fee of Rs. 5, provided that such application shall only be entertained up to two weeks before the commencement of the examination. The candidate appearing in the annual examination shall in this respect be governed by Regulations 3 and 3-A.

Provided that a private candidate who joins a College shall attend at least two-thirds of the lectures delivered in the one subject during the year preceding his re-appearance.

Provided further that no candidate who passes under this Regulation shall be eligible for a scholarship, or for Honours.

8-A. An outline of the tests in each subject is given in Appendix A. This outline can be changed from time to time by the Syndicate, or in accordance with the Regulations by the Academic Council, with the approval of the Senate.

9. The Courses of Reading prescribed by the Senate are specified in Appendix B. In cases where text-books are prescribed, the candidates will be required not only to show a thorough knowledge of the text-books, but also to answer questions of a similar standard set with a view of testing their general knowledge of the subject. Courses of reading can be changed, from time to time, in accordance with the Regulations by the Syndicate, or the Academic Council, as the case may be, with the approval of the

Senate; such changes being always duly notified at least two years before the date of the examination in which they will take effect.

10. Four weeks after the commencement of the examination, or as soon thereafter as is possible, the Registrar shall publish a list of the candidates who have passed, arranged in three divisions, the first and second being in order of merit. Each successful candidate shall receive with his degree, a certificate, stating the division in which he has passed.

11. Any candidate who has passed the High Proficiency or Honours Examination in Arabic or Sanskrit, or the Honours Examination in Persian shall, if he so desire, be exempted from passing in that language, provided that he goes up within two years of his so passing, and that in awarding marks for that language in which he may have obtained a certificate, "pass marks" be taken as representing the value of those marks.

Similarly a candidate who has passed the examination for the Degree of Bachelor of Oriental Learning may be allowed "pass marks" in any one language taken by him in that examination.

12. Any candidate may be examined for Honours in any one subject* approved by the Senate on payment of an extra fee of twenty rupees provided he is certified to have attended not less than two-thirds of the full course of instruction given in that subject in an Honours class for which the programme of work has been approved by the Academic Council. For

* The Senate has approved the following subjects in its meeting held on the 9th May, 1927 :—

English, History, Mathematics, Economics, Philosophy (General Philosophy or Psychology), Sanskrit, Arabic, Persian and Geology.

The Honours Papers in Mathematics can only be taken up by candidates who take up both A and B Courses of Mathematics as their elective subjects for the B.A. Pass Course (*Syndicate Proceedings*, dated the 2nd December, 1927, paragraph 3).

purpose of this Regulation, A Course of Mathematics and B Course of Mathematics shall constitute one subject.

13. Three Honours papers shall be set in addition to the Pass Papers in each subject approved for Honours. Seventy marks shall be allotted to each of two of these Honours Papers and sixty marks to the third Paper, which may be of a more general character or an Essay Paper, as the Board of Studies in each subject may decide.

Provided that in addition to the Pass Papers in Physics and Geology there shall be two Honours Papers each carrying in the case of Physics 75 marks and in the case of Geology 60 marks, and a practical examination carrying 50 marks in the case of Physics and 60 marks in the case of Geology, and, in the case of Geology an account of field-work carrying 20 marks.

The test for candidates seeking Honours in Physics or Geology in the Faculty of Arts shall be the same as for similar candidates in the Faculty of Science.

Unless the candidate passes the whole examination in all three subjects and obtains 50 per cent. in the Pass Papers in the *subject in which he seeks Honours, his Honours Papers shall not be examined. To obtain Honours, a candidate must obtain at least 45 per cent. in the Honours Papers taken together. The order of merit in a subject will be settled by the combined result of the Pass and Honours Papers in that subject.

The marks gained in the Honours Papers shall not be added to the total gained in the Pass examinations. An Honours list shall be published in each subject in order of merit.

* A candidate taking up Honours in Mathematics has to obtain this percentage in either A or B Course of Mathematics (*Academic Council Proceedings*, dated the 27th January, 1932, paragraph 16).

The Honours Papers in History would be discontinued after the examination in 1933.

14. A student who has passed this examination may appear in the Intermediate in Arts or the Bachelor of Arts Examination in a Classical language only, and on obtaining pass marks in that subject be granted a certificate to that effect, on payment of Rs. 10. A candidate may elect to appear in the B.A. Examination in this subject without having previously taken the Intermediate Examination in the subject.

Candidates appearing under this Regulation shall be permitted to appear in the subject in the supplementary examination held in September.

15. Any student who has passed this examination and obtained fifty per cent. marks in Physics may appear in the Honours Papers in Physics in any subsequent year on payment of prescribed fee and on obtaining pass marks in the Honours Papers be granted a certificate to that effect.

16. A candidate who has passed this examination may be allowed to appear at any subsequent examination in any one subject, which under the Regulations in force he could have taken for the examination but did not offer, on payment of a fee of rupees fifteen, provided that in the case of Science subjects the candidate has attended at least the minimum number of practicals, prescribed for the subject, in an institution affiliated to the B.A. Degree of this University. Such a candidate, on obtaining pass marks in that subject, shall be granted a certificate to that effect. Candidates appearing under this Regulation shall be permitted to appear in this subject in the supplementary examination held in October.

III.—Economics—

Two written papers of three hours each—				<i>Marks.</i>
<i>Paper (a)</i>	Political Economy	...	...	75
<i>Paper (b)</i>	Application of Economic Principles to Indian Topics	...	...	75
				<hr/>
				150
				<hr/>

IV.—Mathematics—

A. Course—

Two written papers of three hours each—			
Statics and Dynamics	...	...	75
Differential and Integral Calculus	...	...	75
			<hr/>
			150

B. Course—

Two written papers of three hours each—				
(a)	Plane Trigonometry, Analytical Geometry including second degree surfaces (referred to their axes)	...	...	75
(b)	Theory of Equation; Determinants: Differential Equations	...	...	75
				<hr/>
				150

V.—Philosophy—

Two written papers of three hours each—				
<i>Paper (a)</i>	Ethics	...	...	75
<i>Paper (b)</i>	Psychology	...	...	75
				<hr/>
				150

VI.—Physics, Chemistry, Geology, Botany or Zoology—

Physics—

1.	Practical examination	...	...	50
2.	Two written papers of three hours each—			
	(a)	Properties of Matter, Mechanics, Light and Heat	...	50
	(b)	Sound, Electricity, Magnetism	...	50
				<hr/>
				150

Chemistry—						Marks.
1.	Practical examination	...	...	...	...	50
2.	Two written papers of three hours each—					
	(a) Inorganic	...	...	...	35	} 50
	Physical	...	...	...	15	
	(b) Organic	...	...	...	35	} 50
	Physical	...	...	...	15	
						150
Geology—						
1.	Practical examination	...	...	...	...	50
2.	Two written papers of three hours each—					
	(a) Mineralogy, Petrology and Dynamical Geology	...	...	...	...	50
	(b) Structural and Stratigraphic Geology	...	...	...	...	50
						150
Botany—						
1.	Practical examination	...	...	...	...	50
2.	Two written papers of three hours each—					
	(a) Cryptogams	...	...	...	...	50
	(b) Phanerogams and Physiology	...	...	...	...	50
						150
Zoology—						
1.	Practical examination	...	...	...	...	50
2.	Two written papers of three hours each—					
	(a) Invertebrata	...	...	...	...	50
	(b) Chordata, Theoretical and General	...	...	...	...	50
						150
VII.—A Classical Language—						
Arabic, Hebrew, Greek, or Latin—						
Two written papers of three hours each—						
	(a) Poetry: Translation from the Classical Language into English and explanation of passages; Grammar and Prosody	...	...	...	...	75
	(b) 1. Prose: Translation from the Classical Language into English and explanation of passages	...	...	...	40	} 75
	2. Translation from English into Classical Language	...	...	...	35	
						150

Sanskrit—

Two written papers of three hours each—			Marks.
(a)	1. <i>Poetry</i> : Translation from Sanskrit into English and explanation of passages	50	} 75
	2. <i>Grammar</i>	25	
(b)	1. <i>Prose</i> : Translation from Sanskrit into English and explanation of passages	25	} 75
	2. History of Sanskrit Literature ...	20	
	3. Translation from English into Sanskrit	30	
			150

VIII.—Persian—

Two written papers of three hours each—			
(a) <i>Poetry</i> : Translation from Persian into English and explanation of passages; Grammar and Prosody ...			75
(b) 1. <i>Prose</i> : Translation from Persian into English and explanation of passages	40	)	75
2 Translation from English into Persian and History of Persian Literature ...	35		
			<hr/> 150

IX.—French—

Two written papers of three hours each—				
(a)	Translation and explanation of passages			
	from set books—Poetry, Drama	...	35	} 75
	History of French Literature	...	40	
(b)	Translation and explanation of passages			
	from set books—Prose	...	40	} 75
	Translation from English into French	...	35	
				<hr/> 150

X.—Astronomy—

Two written papers of three hours each	...	100
Practical Test	...	50
		150

XI.—Political Science—				Marks
Two written papers of three hours each—				
Paper (a)	The Nature of the State	...	...	75
Paper (b)	Modern Constitutions	...	...	75
				<hr/>
				150
				<hr/>
XII.—Additional Paper in an Indian Vernacular—				
One paper of three hours	...	...	...	50
XIII.—Military Science—				
One written paper and a practical test—				
(a)	Written paper	...	...	25
(b)	Practical test	...	...	25
				<hr/>
				50
				<hr/>

HONOURS PAPERS.

English.

<i>Paper I.</i> —Intensive study of a prose-writer or novelist.				
	Books and authors to be prescribed from time to time	...	...	70
<i>Paper II.</i> —A Special Period: to include the study of the principal works of a poet with criticism thereon. The period to change from time to time				70
<i>Paper III.</i> —Will be divided into two parts:—				
Part (a)	Broad Features of the History of Literature from Chaucer to Swinburne requiring acquaintance with principal writers only	...	40	} 60
Part (b)	Principles of Literary Criticism	...	20	
				<hr/>
				200
				<hr/>

<i>Mathematics.</i>		<i>Marks.</i>
<i>Paper I.</i> —Statics, Dynamics and Hydrostatics ...		70
<i>Paper II.</i> —Pure Geometry, General Equations of the Second degree, Trilinear Co- ordinates and Solid Geometry ...		70
<i>Paper III.</i> —Elementary Analysis :—		
(a) As in Hardy's Course in Pure Mathematics (first 6 chapters) ...	}	60
(b) Dr. Whitehead's Mathematics, Home Univer- sity Library ...		
(c) Differential Equations ...		
(d) This paper will also include essays on the subject-matter of Papers I and II ...		
		200

<i>Economics.</i>		
<i>Paper I.</i> —Outstanding facts and features of Indian Currency, Finance and Fiscal Policy ...	...	70
<i>Paper II.</i> —Rural Economics with particular re- ference to India and the Panjab ...	...	70
<i>Paper III.</i> —Political Science and Indian Ad- ministration ...	...	} 60
<i>Or,</i> The Economic History of India from the time of Akbar to the present day		
		<hr/> 200

Philosophy.

Either (a) General Philosophy, or (b) Psychology :—

(a) *General Philosophy*—

<i>Paper I.</i> —Historical Introduction to European Philosophy	...	...	70
<i>Paper II.</i> —Present Tendencies in Philosophy	...	...	70
<i>Paper III.</i> —Special Philosophy	...	...	60
			<hr/> 200

(b) <i>Psychology</i> —					Marks.
<i>Paper I.</i> —History of Psychology	...	...	...	70	
<i>Paper II.</i> —Experimental Psychology	...	...	...	70	
<i>Paper III.</i> —	{	Practical examination	...	40	} 60
		Laboratory Record of Experiments	...	20	
					<hr/> 200

Sanskrit.

Three written papers of three hours each—

(a) History of Classical Sanskrit Literature with an outline of ancient Indian History ...	70
(b) Study of an author, period or subject with special reference to specified texts ...	70
(c) Classical Sanskrit Grammar and Unseens ...	60
<hr/> 200	

Arabic.

Three written papers of three hours each—

(a) Further study of Literature ...	70
(b) History of Arabic Literature—Pre-Islamic and the Umayyad periods ...	70
(c) Unseens ...	60
<hr/> 200	

Persian.

Three written papers of three hours each—

(a) Further study of Literature ...	70
(b) Literary History ...	70
(c) Translation of unseen Persian passages into English. Set and free composition in Persian (<i>i.e.</i> , Translation from English into Persian and Essay in Persian) ...	60
<hr/> 200	

Geology.

<i>Paper (a)</i> General Geology, Mineralogy, Petrology ...	60
<i>Paper (b)</i> A special subject ...	60
Practical Examination ...	60
An account of field-work ...	20
<hr/> 200	

Physica.

Two written papers	...	...	75 Marks each.
Practical	...	...	50 Marks.
Total	...	...	200 Marks.

APPENDIX B. (*See Chapter XXI.*)**Courses of Reading for the B.A. Examination.**

M.A. EXAMINATION.

1. An examination for the Degree of Master of Arts shall be held annually at such places* as may be appointed by the Syndicate, beginning on the second Monday in April or on such other date as may be fixed by the Syndicate.

2. The examination shall be open to any graduate in Arts, Science, Agriculture or Commerce of the University of the Panjab, or (subject to the sanction

* Lahore and Srinagar.

B.A. and B.Sc. degrees of Benares Hindu University considered equivalent to the corresponding degrees of the Panjab University (*Senate Proc.*, 28-3-1925 and 29-11-1926).

B.A. and B.Sc. degrees (1st and 2nd Class) of Agra University considered equivalent to the B.A. and B.Sc. degrees of the Panjab University (*Academic Council Proceedings*, dated 28-11-1928, para. 2).

B.A. degree of Andhra University recognised as equivalent to the B.A. degree of the Panjab University (*Academic Council Proceedings*, dated the 29th January, 1930, paragraph 11).

B.A. degree of Annamalai University recognised as equivalent to the B.A. degree of the Panjab University (*Academic Council Proceedings*, dated the 19th March, 1930, paragraph 22).

B.Com. Examination of Agra University recognised as equivalent to the B.Com. Examination of this University (*Academic Council Proceedings*, dated the 14th May, 1930, paragraph 9).

B.Com. Examination of the Lucknow and Bombay Universities recognised as equivalent to the B.Com. Examination of this University (*Academic Council Proceedings*, dated the 6th March, 1933, paragraph 5).

of the Academic Council) of any other recognised University, who satisfies the following conditions—

- A. (i) has been enrolled in an affiliated College for the two academical years preceding the examination, or for one academical year if he has already passed an examination for the Degree of Master of Arts. (*Deficiencies in the Period required may be condoned by the Academic Council),
- (ii) has his name submitted to the Registrar by the Head of the College he has most recently attended, with a certificate of good character,
- (iii) is certified by the competent authority under Regulations 10 and 11 of Chapter X to have completed an approved course of instruction, or
- B. has been admitted as a private candidate under Chapter XI of the Regulations by special order of the Senate. Provided that if a candidate offers a thesis or research work the subject and programme of work shall require the approval of the Board of Studies.

Provided that the Syndicate or the determining authority under Regulation 7 of Chapter III shall have power to exclude any candidate from the examina-

* *Note.*—Under this proviso the Academic Council may permit a graduate, who has passed the Bachelor of Arts Examination in three subjects and taken Honours in a Classical Language (Oriental Faculty), to take the Master of Arts Examination in that Classical Language after being enrolled in a College for one academical year (*Senate Proceedings*, dated the 31st May, 1929, paragraph 6).

When a University Professor delivers a course of lectures in his subject to an M.A. Class, the students shall be required to attend those lectures (*Syndicate Proceedings*, dated the 23rd May, 1929, paragraph 3).

tion if it is satisfied that such candidate is not a fit person to be admitted thereto.

3. Every candidate shall forward his application to the Registrar at least eight weeks before the commencement of the examination, accompanied by a fee of sixty rupees, or in the case of a private candidate of sixty-five rupees, and a statement showing the subject or subjects in which he desires to be examined. A candidate who fails to pass or to present himself for the examination shall not be entitled to claim a refund of the fee; but he may be admitted to one or more subsequent examinations on payment of the above fee on each occasion.

3-A. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay additional fee of Rs. 5. Provided that such application shall only be entertained up to four weeks before the commencement of the examination.

4. English shall be the medium of examination in all subjects.

5. Every candidate shall be required to take up one subject and one only.

The following are the subjects of examination:—

- (1) Languages.
- (2) History.
- (3) Political Economy.
- (4) Mathematics.
- (5) Mental and Moral Philosophy.
- * (6) Psychology.
- (7) Political Science.

* Should be normally preceded by a B.A. with Honours in Psychology. Candidates who have already taken an M.A. in Philosophy have the option either of appearing in Paper I or of having the marks they obtained in Paper II in the Philosophy M.A. Examination added to their total (*Synd. Proc.*, dated 1st April, 1926, para. 6). No candidate to be allowed to appear in the M.A. Examination in Psychology who has not completed such a course in a College affiliated to the University for the

Candidates will be examined in the subjects of Hebrew, Greek, and Latin only by the special permission of the Syndicate, for which application should be made six months previous to the date of the examination.

6. The examination in languages shall be in English, Sanskrit, Arabic, Persian, Hebrew, Greek or Latin.

The examination in Sanskrit, Arabic and Persian shall be conducted under the Regulations for the Honours School in Oriental Languages.

7. The examination in English shall include translation into English from the Vernacular of the candidate and into that language from English, provided that in the case of candidates whose vernacular is English, a paper of English Literature of the 19th century be substituted for the translations prescribed in this rule.

8. Except in Economics, six papers of three hours each shall be set in each subject, each paper carrying 100 marks. In Economics there shall be four papers of three hours each, each carrying 100 marks, and either a thesis (including *viva voce*) carrying 200 marks or an approved alternative of two papers carrying the same number of marks.

9. The minimum number of marks required to pass this examination shall be *forty-five* per cent. in the aggregate and *thirty-three* per cent. in each paper, excepting the Essay Paper in English for which *forty-five* per cent. shall be required.

10. Candidates who gain *sixty-five* per cent. or more of the aggregate marks shall be placed in the first class; those who gain not less than *fifty-five* per cent., in the second class; and all below, in the third class.

10-A. Four weeks after the commencement of the examination, or as soon as is possible, the Registrar

M.A. degree in Psychology (*Synd. Proc.*, dated the 5th November, 1925, para. 16).

shall publish a list of the candidates who have passed, arranged in three divisions, the first and second being in order of merit. Each successful candidate shall receive with his degree, a certificate, stating the division in which he has passed.

11. Any Master of Arts may, on payment of a fee of sixty rupees or in the case of a private candidate of sixty-five rupees, be admitted to this examination in any branch other than that in which he was previously examined, and may, if his attainments come up to the standard prescribed, be granted a certificate to that effect stating the class in which he has passed.

APPENDIX B. (*See Chapter XXI.*)

Special Readings in Languages.

DEGREE OF DOCTOR OF LITERATURE.

1. Every candidate for the Degree of Doctor of Literature shall be required to—

(i) produce a certificate—

(a) that he has taken the Degree of Master of Arts of the University of the Panjab. or (subject to the sanction of the Academic Council) of any other recognised University in the subject other than Mathematics with which his thesis is connected; or

(b) that he has taken the Degree of Master of Arts in a subject considered suitable for this purpose by the Academic Council when the subject of the proposed thesis is not connected with the subject in which the candidate has passed the M.A. Examination; or

- (c) that he has taken the Degree of Master of Arts in a Language when the subject of the proposed thesis deals with a language not included among the subjects of the M.A. Examination; or
 - (d) that he has taken the Degree of Master of Arts in any subject and the Honours examination in any of the Indian Vernaculars if the proposed thesis deals with any Indian Language;
- (ii) prove to the satisfaction of the Syndicate if he has passed the Degree of Master from the University of the Panjab that for not less than two years after passing his examination for the Degree of Master, he has pursued an advanced course of study bearing upon the subject selected by him for the degree; or if he has passed the Degree of Master from any other recognised University, that after passing the examination he has pursued in the University of the Panjab, under approved supervision, an advanced course of study bearing upon the subject selected by him for the degree for a period of not less than three years which may be reduced to two years by the Academic Council on his producing satisfactory evidence of research previous to his joining the University of the Panjab;
- (iii) submit an approved thesis on a subject previously accepted by the Academic Council showing evidence of original work;
- (iv) pass an examination, oral or written, if required by the Examiners, on the subject of his thesis and cognate subjects.

2. Every candidate shall forward with his application a fee of rupees two hundred.

3. *Two Examiners shall be appointed who shall both read the thesis and all the answer papers, if any, and shall satisfy themselves that the thesis is the candidate's own work, and shall each present a report to the Syndicate stating whether, in their opinion, the candidate is by reason of his attainments a fit person to receive the Degree of Doctor. In the event of a difference of opinion between the two Examiners the Syndicate shall have power to appoint a third Examiner.

The Registrar shall publish the result in accordance with the decision of the Syndicate.

DEGREE OF BACHELOR OF TEACHING.

1. An examination for the Degree of Bachelor of Teaching shall be held annually in Lahore, beginning on the second Monday in April, in all subjects except Practice of Teaching which shall be held during the first week in June, or on such other date as may be fixed by the Syndicate.

2. The examination shall be open to—

- (a) any graduate of the Panjab or any recognised University, who, after passing the examination for the Degree of Bachelor in any Faculty (other than Oriental) has undergone the course† of training for the degree

* Both the Examiners to be selected from Universities in Europe (*Syndicate Proceedings*, dated the 15th March, 1927, paragraph 41).

† The written examination to be held about the third week in April (*Syndicate Proceedings*, dated the 4th October, 1929, paragraph 15).

‡ It is not necessary that the candidate should be on the rolls of a Training College (*vide Synd. Proc.*, dated the 19th February, 1926, para. 15).

for one year at a Training College for Teachers affiliated to the Panjab University ;

- (b) any graduate of the University of the Panjab or the University of Delhi who has undergone the course of training in the S.A.V. Class and after passing the S.A.V. examination has worked as a teacher for not less than 18 months and is serving as a teacher in a School either in the Panjab or in the Province of Delhi.

3. No student shall be allowed to present himself for examination, unless his name has been submitted to the Registrar by the Head of the Training College that he has most recently attended, or, in the case of (b) in Regulation 2 above, by the Inspector of Schools of the Division, or, by the Principal of an affiliated College.

4. Every candidate shall produce a certificate of good character, signed by the Head of the Training College he has most recently attended, to the effect that he has attended not less than two-thirds of the lectures delivered in the subjects in which he is to be examined :

Provided that the Syndicate or the determining authority under Regulation 7 of Chapter III shall have power to exclude any candidate from the examination, notwithstanding the production of such certificate, if it is satisfied that such candidate is not a fit person to be admitted thereto.

5. Every candidate shall forward his application to the Registrar at least eight weeks before the commencement of the examination, accompanied by a fee of thirty rupees and a statement showing the subjects in which he is to be examined. A candidate who does not forward his application to the Registrar at least eight weeks before the date fixed for the examination, can only be admitted by a special direction of the

Syndicate. A candidate who fails to pass or to present himself for examination shall not be entitled to claim a refund of the fee, but he may be admitted to one or more subsequent examinations on payment of a like fee of thirty rupees on each occasion.

5-A. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay additional fee of Rs. 5. Provided that such application shall only be entertained up to four weeks before the commencement of the examination.

6. Every candidate shall be required to take up six subjects as follows:—

- I.—*The Psychological Basis of Education.*
- II.—*School Organisation and Management.*
- III.—*Methods of Teaching (general).*
- IV.—*Methods of Teaching Selected Subjects.*
- V.—*History of Education.*
- VI.—*Practical Skill in Teaching.*

The examination shall be conducted by means of written papers and by a Practical Examination in the Practice of Teaching. English shall be the medium of examination in all subjects.

7. The examination shall be conducted as follows:—

*Written Examination.**

- 1st Paper.—The Principles of Education. The Psychological, Logical, and Ethical Basis of Education.
- 2nd Paper.—The Application of these Principles to School Work, School Organisation and Management.
- 3rd Paper.—Methods of Teaching.
- 4th Paper.—Methods of Teaching Selected Subjects.
- 5th Paper.—History of Education.

Practical Examination.

Practical Skill in Teaching and in the Management of a Class.

* Time allowed for each paper is three hours, except in the case of Methods of Teaching Selected Subjects for which the paper is to be subdivided into two parts and the time allowed for each part is to be two hours.

8. The following is the scale of marks allotted to each subject:—

	<i>Marks.</i>
I.—The Psychological Basis of Education ...	100
II.—School Organisation and Management ...	100
III.—Methods of Teaching ...	100
*IV.—Methods of Teaching Selected Subjects ...	100
V.—History of Education ...	100
VI.—Practical Skill in Teaching ...	100

9. The minimum number of marks required to pass this examination shall be forty per cent. in the Practice of Teaching, thirty-three per cent. in each of the other subjects, and forty per cent. in the aggregate.

10. Candidates who gain 396 marks shall be placed in the first division; those who gain not less than 318 in the second division; and all below, in the third division.

A candidate who fails in only one subject and passes in the Practical Test, may be permitted to appear in the subject in which he fails, if certified by an Inspector of Schools to be regularly employed as a teacher, in the following year and the year after that, and in the event of his passing, he shall be deemed to have passed the examination for the Degree of Bachelor of Teaching.

The candidate shall ordinarily forward his application to the Registrar at least eight weeks before the commencement of the examination, accompanied by the prescribed fee. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay additional fee of Rs. 5. Provided that such application shall only

	<i>Marks.</i>
* Methods of teaching English ...	50
Methods of teaching elective subjects ...	50
	<hr/> 100 <hr/>

In the case of Methods of Teaching Selected Subjects, for purposes of passing both the parts shall constitute one paper.

be entertained up to four weeks before the commencement of the examination.

11. The Courses of Reading prescribed by the Senate are specified in Appendix B. In cases where text-books are prescribed, the candidates will be required not only to show a thorough knowledge of the text-books, but also to answer questions of a similar standard set with a view of testing their general knowledge of the subject. Text-books can be changed, from time to time, by the Syndicate, with the approval of the Senate: such changes being always duly notified at least one year before the date of the examination in which they will take effect.

12. Four weeks after the commencement of the examination, or as soon thereafter as is possible, the Registrar shall publish a list of the candidates who have passed, arranged in three divisions, each in order of merit. Each successful candidate shall receive, with his degree, a certificate stating the division in which he has passed.

13. The following is the form of application prescribed for this examination:—

APPLICATION.

To

THE REGISTRAR OF THE PANJAB UNIVERSITY.

SIR,

I request permission to present myself at the next Bachelor of Teaching Examination of the Panjab University. The fee* of thirty rupees and the required certificate and particulars are forwarded herewith.

I am, &c., &c.

PARTICULARS TO BE FILLED IN BY THE CANDIDATE—

1. Registered No.
2. Year and date of birth.
3. Race.
4. Religion.
5. Caste. (a)
6. Training College.

* The fee must be paid in cash, or by a Money Order. Post age or Court-fee stamps will not be accepted.

7. Residence.
8. Father's name.
9. Father's occupation. (b)
10. Where educated
11. Date of graduation.
12. Subjects in which to be examined.

NOTE.—(a) When the applicant is a Jat or a Rajput, it should be distinctly stated.

(b) When the father is an agriculturist, it should be distinctly stated.

CERTIFICATE.

I certify that the above-named candidate has satisfied me, by the production of the Registrar's certificate, that he has passed the examination of the ; that I know nothing against his moral character; and that he has signed the above application.

Principal, Training College.

APPENDIX B. (*See Chapter XXI.*)

Courses of Reading for the Bachelor of Teaching Examination.

(iii) SCIENCE FACULTY.

INTERMEDIATE EXAMINATION.

SCIENCE FACULTY.

1. The Intermediate Examination shall be held annually at Lahore and such other places* as may be appointed by the Syndicate by a notice issued at least six months before the date fixed for the examination, and the examination shall begin on the second Monday

* The Syndicate will take into consideration any application to constitute any other place a centre of examination, provided it be shown that satisfactory arrangements can be made thereat, and that such application be sent to the Syndicate at least six months before the date of the examination.

in April or such other date as may be fixed by the Syndicate.

2. The examination shall be open to—

(a) any College student who—

(i) has been enrolled in a College affiliated to the University during the two academical years preceding the examination. (The Syndicate may condone a deficiency in this period for very special reasons);

(ii) has passed not less than two academical years previously the Matriculation Examination in *either* the Arts or Science Faculty of the Panjab University, *or* (subject to the sanction of the Syndicate) any one of the following:—

(1) the Matriculation Examination in either the Arts or Science Faculty of any other recognised University;

*(2) the Final Standard Examination for European Schools in India;

†(3) the Cambridge School Certificate Examination;‡

†(4) the Final Examination held in the Chiefs' Colleges; *or*

* A pass in these examinations is accepted in lieu of Matriculation, provided that it includes such subjects as satisfy the requirements of the University for Matriculation in either the Science or Arts Faculty (*Synd.*, 5th January, 1918, para. 10).

† Provided—(i) that the subjects specified on the certificate include—English Composition, History, Geography, and any two of—Latin or French, Mathematics (*i.e.*, Arithmetic, Geometry and Algebra), Chemistry, Physics, Experimental Science, Botany, Agricultural Science; and (ii) that the candidate has passed the examination—(a) in Great Britain, *or* (b) from a European High School in India or after completing the course in one, *or* (c) after appearing with the sanction of the Syndicate (or School Final Board) after stating where he has been taught.

‡ Or the Higher Oxford Local Examination or School Final, Allahabad University (*Synd.*, 24th Feb., 1905, para. 10), or the School-Leaving Certificate Examination of the United

- (5) any other examination approved by the Syndicate;
- (iii) has his name submitted to the Registrar by the Head of the College he has most recently attended;
- (iv) produces the following certificates signed by the Head of the College he has most recently attended:—
 - (1) of good character;
 - (2) of having attended not less than two-thirds of the full courses of lectures delivered in each of the subjects in which he desires to be examined, and, except in the case of members of the University Training Corps, of *having attended not less than fifty periods of physical training in the first year class in accordance with the rules framed by the Syndicate from time

Provinces of Agra and Oudh (*Synd.*, 13th Jan., 1913, para. 18), or Delhi Province (*Synd.*, 21st Nov., 1913), North-West Frontier School Final (*Senate*, 29th November, 1915), Madras School-Leaving Certificate Examination (*Synd.*, 2nd Feb., 1917), European School Final Examination at Rangoon qualifying for entering a College in Burma (*Synd.*, 2nd Nov., 1917), or Burma Anglo-Vernacular High School Examination, provided Mathematics is included (*Synd.*, 20th Feb., 1920), S.S.L.C. Examination of Mysore (*Senate*, 17th June, 1921), Admission Examination of Benares University (*Senate*, 17th June, 1921), Training Institution Examination for Women Teachers, High School Board Examinations of United Provinces and Central Province (*Senate*, 6th December, 1924), Government Training Class Diploma Examination (*Senate*, 12th December, 1925), Chelmsford Training Class Examination of Ghora Gali School (*Senate*, 29th May, 1926), High School Examination of the Board of Secondary Education, Delhi Province (*Senate*, 29th November, 1926), Royal Indian Military College Diploma (*Senate*, 9th May, 1927), High School Examination of the Board of Intermediate and Secondary Education, Dacca (*Senate*, 13th June, 1927), High School Examination for the European Schools in the Panjab (*Senate*, 21st March, 1928), School Certificate of the General School Examination, London (*Senate*, 14th May, 1928).

* With effect from June, 1932.

to time. (A deficiency in the number of lectures may be condoned for very special reasons under Regulation 7 of Chapter III);

- (3) for the practical examination in any of the Science subjects, of having attended not less than two-thirds of the periods assigned to practical work in that subject (the minimum number of attendances required being forty);
- (4) in the case of a candidate intending to appear in Military Science, of having attended not less than two-thirds of the total number of parades held or fifty parades in two years, whichever is greater: each day in camp to count as one parade;
- (b) any private candidate who is admitted under Regulations XI by the special order of the Senate and who has passed not less than two years previously one of the examinations enumerated above in (a) (ii):

Provided that a candidate who has passed the Cambridge School Certificate Examination may be admitted to this examination in the academical year following that in which he passes the Cambridge School Certificate Examination, if he has been enrolled in a College affiliated to the University during the twelve months preceding the examination.

Provided *further* that the Syndicate or the determining authority under Regulation 7 of Chapter III shall have power to exclude any candidate from the examination, if it is satisfied that such candidate is not a fit person to be admitted thereto.

3. Every candidate shall ordinarily forward his application to the Registrar, at least eight weeks before the commencement of the examination, accompanied by a fee of thirty rupees, or in the case of a private candidate of thirty-five rupees, and a statement show-

ing the place at, and the subjects in, which he desires to be examined. A candidate who fails to pass or to present himself for examination shall not be entitled to a refund of the fee; but he may be admitted to one or more subsequent examinations on payment of the above fee on each occasion.

3-A. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay additional fee of Rs. 5. Provided that such application shall only be entertained up to four weeks before the commencement of the examination.

4. Every candidate shall be required to take up English and any three subjects.

5. The following are the subjects of examination with the scale of marks allotted to each:—

<i>Fixed subject—</i>			<i>Marks.</i>
English	...	...	150
<i>Elective subjects—</i>			
1. Physics	...	...	150
2. Chemistry	...	...	150
3. Mathematics	...	...	150
4. Biology	...	...	150
5. Physiology	...	...	150
6. Geology	...	...	150
7. Agriculture	...	...	150

Provided that Biology and Physiology and Biology and Agriculture together will not be allowed in any group of subjects, and provided that the students who have taken Mathematics, as one of the subjects, will not be allowed to attempt the Mathematics questions in the Physics Paper.

6. The following are the subjects with the scale of marks allotted to each for candidates taking the Medical Students' group:—

<i>Subjects—</i>	<i>Marks.</i>		
1. English	150
2. Physics	150
3. Chemistry	150
4. Biology	150

6-A. Any candidate who has passed not less than one academical year previously the Intermediate Examination of the Arts Faculty of the University of the Panjab or (subject to the sanction of the Syndicate) other equivalent examination of any other recognised University, and has been for the academical year preceding the examination enrolled in a Medical College affiliated for this purpose may be admitted to the tests held in the following subjects if not already taken in the Arts Examination:—

1. Biology.
2. Physics.
3. Chemistry.

Provided that except when in conflict with this Regulation all the foregoing Regulations shall apply to these candidates.

The pass percentage shall be the same as for other candidates, but Regulations 8 and 11 shall not apply.

Candidates who obtain the requisite percentage of marks in each of the subjects offered by them shall receive a certificate of having satisfied the requirements of Regulation 2 (ii) (c) of the First Professional Examination.

*6-B. In addition to the subjects mentioned in Regulations 5 and 6 above, there shall be an additional paper, in an Indian Vernacular recognised by the University, or in French or in German, carrying fifty marks, which may be taken by any candidate.

Any candidate who is a member of the Panjab University Training Corps or of the Panjab Rifles A.F. (I.) and has attended the prescribed number of the parades held, shall have the option of taking Military Science as an additional optional subject carrying fifty marks in place of an Indian Vernacular recognised by the University or French or German.

A candidate shall receive no credit for marks obtained in the additional paper in the Indian Verna-

* For the purposes of this Regulation, an Indian Vernacular is intended to mean Urdu, Hindi, Panjabi, Pashto, or Bengali.

cular or in French or in German and in Military Science, unless he obtains *thirty-three* per cent., in which case these marks shall be added to the total.

Candidates will be examined in the subjects of Pashto, Bengali, French, and German only by the special permission of the Syndicate, for which application shall be made six months previous to the date of the examination.

7. The minimum number of marks required to pass this examination shall be *thirty-three* per cent. in each subject.

In each Science subject this percentage is required in the written examination and in the aggregate, but only *twenty-five* per cent. in the practical examination.

8. Candidates who obtain *sixty-five* per cent. of the *aggregate number of marks or more shall be placed in the first division; those who obtain not less than *fifty* per cent. in the second division; and all below in the third division.

Any student who has obtained forty per cent. of the aggregate number of marks, but has failed in one subject only, obtaining not less than twenty-five per cent. in that subject, shall be admitted to an examination† in that subject only about the end of September of the same year, or, if he fail to pass or present himself for the examination then, at the next University examination in April on payment of a fee of thirty rupees, or in the case of a private candidate of thirty-five rupees, on each occasion; and if he pass in that subject in either of those examinations, he shall be deemed to have passed the Intermediate Examination.

The candidate appearing in the examination in September of the same year shall ordinarily forward his application to the Registrar at least five weeks before the commencement of the examination accompanied

* The marks of the Additional Vernacular Paper are included in the aggregate.

† At Lahore

by the prescribed fee. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay additional fee of Rs. 5, provided that such application shall only be entertained up to two weeks before the commencement of the examination. The candidate appearing in April examination shall in this respect be governed by Regulations 3 and 3-A.

Candidates to whom this concession is granted shall be allowed to read for the Degree of Bachelor in the College, provided they join on or before the last date prescribed for admission to the Third Year Class.

Provided further that no candidate who passes under this Regulation shall be eligible for a scholarship.

9. An outline of the tests in each subject is given in Appendix A. This outline can be changed from time to time by the Syndicate, or, in accordance with the Regulations, by the Academic Council, with the approval of the Senate.

10. The Courses of Reading prescribed by the Senate are specified in Appendix B. In cases where text-books are prescribed, the candidates will be required not only to show a thorough knowledge of the text-books, but also to answer questions of a similar standard, set with a view of testing their general knowledge of the subject. Courses of reading can be changed from time to time, in accordance with the Regulations by the Syndicate, or the Academic Council as the case may be, with the approval of the Senate; such changes being always duly notified at least two years before the date of the examination in which they will take effect.

11. Five weeks after the commencement of the examination or as soon thereafter as is possible, the Registrar shall publish a list of candidates who have passed, arranged in three divisions, the first and second being in order of merit. Each successful candidate shall be granted a certificate stating the division in which he has passed.

12. Any candidate who has passed the Intermediate Examination in Arts and Science Faculty, and wishes to qualify for admission to a Medical College, may, in any subsequent year, appear in any additional test in the remaining subjects so as to make up the group of subjects for Medical College.

13. A student who has passed or appeared for this examination may appear in the Intermediate in Arts Examination in a classical language only on payment of rupees five, and on obtaining pass marks in that subject be granted a certificate to that effect. Provided that the answer-papers in the Classical Language of the candidate who has not passed the Intermediate Examination shall be examined only if he passes in the Intermediate Examination.

Candidates appearing under this Regulation shall be permitted to appear in the subject in the supplementary examination held in September.

14. A student who has passed this examination may, on payment of Rs. 5, appear in the optional paper in French or German for the Intermediate Examination, and on obtaining pass marks in that subject be granted a certificate to that effect.

15. A student who has passed this examination without taking French or German may appear in the Intermediate in Arts Examination in French or German only on payment of rupees five and if he obtain pass marks in that subject shall be granted a certificate to that effect.

16. A candidate who has passed this examination may be allowed to appear at any subsequent examination in any one subject prescribed for the Intermediate Examination, whether for the Faculty of Arts or Science, but not offered by him, on payment of rupees five. Such a candidate, on obtaining pass marks in that subject, shall be granted a certificate to that effect. Candidates appearing under this Regulation shall be permitted to appear in the subject in the supplementary examination held in September.

APPENDIX A.

I.—English—

Two written papers of three hours each— Marks.

Paper A—to consist of two parts:

Part I.—Set books	60	} 75
(Set books to be prescribed as at present).				
Part II.—Paraphrasing or summarising of an Unseen passage	...	...	15

Paper B—to consist of two parts:

Part I.—Composition, Applied Grammar and Essay	55	} 75
(Syllabus as in Appendix B).				
†Part II.—Translation from the Vernaculars to English	...	...	20

150

For European candidates (a Special Paper)—

(b) Paraphrasing, Essay, and Composition ... 75

150

Ability to write English with a fair degree of accuracy shall be required.

NOTE.—All candidates will be required to secure in Paper (b) a minimum of thirty-three per cent. of the marks allotted to that paper.

II.—Mathematics—

Two written papers of three hours each— Marks

(a) Algebra, Plane Geometry, and Trigonometry	75
(b) Conic, analytical and geometrical, and Differential Calculus	...

... 75

150

* The Examiner should emphasise in the passage selected for translation disparity of idiom, and grammatical structure in the two languages. The aim should be a testing of the candidate's comprehension of sentence structure, idiom, and the like rather than his vocabulary. (The passages set must always be the same so far as Hindi, Urdu and Panjabi are concerned, but might be of equal difficulty in the case of other vernaculars.)

***III.—Chemistry—**

	<i>Marks</i>
<i>Paper I.</i> —Inorganic and General Chemistry ...	50
<i>Paper II.</i> —Organic Chemistry ...	50
Practical (including volumetric analysis) ...	50
	<hr/> 150 <hr/>

IV.—Physics—

Two written papers of three hours each—	
(a) <i>First Paper</i> —Mathematics, Mechanics, Heat and Sound ...	50
(b) <i>Second Paper</i> —Light, Magnetism and Electricity ...	50
Practical examination ...	50
	<hr/> 150 <hr/>

V.—Biology—

Two written papers of three hours each—	
(a) Botany ...	50
(b) Zoology ...	50
Practical examination—	
Botany ...	25
Zoology ...	25
	} 50
	<hr/> 150 <hr/>

VI.—Physiology—for 1934—

Two written papers of three hours each—	
(a) <i>First paper</i> ...	50
(b) <i>Second paper</i> ...	50
Practical examination ...	50
	<hr/> 150 <hr/>

* Candidates who have taken only Inorganic Chemistry in other Universities may be allowed to take up Paper II and Practical only, for purposes of Regulation 12 relating to the Intermediate Examination—Science Faculty (*vide* para. 8 of the *Synd. Proc.*, dated the 7th May, 1926).

Physiology—for 1935—				Marks.
Two written papers of three hours each—				
(a) First Paper : Animal Anatomy	...	...	...	50
(b) Second Paper : Physiology	...	...	...	50
Practical examination :—				
Animal Anatomy	...	...	...	25
Physiology	...	...	...	25
				50
				150
<hr/>				
VII.—Geology—				
Two written papers of three hours each—				
Paper (a) The remainder of the subject	...	...	...	50
Paper (b) Mineralogy, Petrology, and Volcanic	...	...	...
Action	...	...	...	50
Practical examination	...	...	...	50
				150
<hr/>				
VIII.—Agriculture—				
Paper (a) Botany	...	...	...	25
and Zoology, including elementary Entomology	...	...	...	25
Paper (b) Agriculture	...	...	...	50
Paper (c) Practical	...	...	...	50
				150
<hr/>				
IX.—Additional Paper in an Indian Vernacular or				
French or German—				
One paper of three hours	...	...	...	50
<hr/>				
X.—Military Science—				
Practical test	...	...	...	50
<hr/>				
XI.—French—				
The same as for the Arts Faculty.				
<hr/>				
XII.—German—				
The same as for the Arts Faculty.				

APPENDIX B. (See Chapter XXI.)

Courses of Reading prescribed for the Intermediate Examination, Science Faculty.

EXAMINATION FOR THE DEGREE OF BACHELOR OF SCIENCE.

1. An examination for the Degree of Bachelor of Science shall be held annually at such places* as may be appointed by the Syndicate, beginning on the second Monday in April or on such other date as may be fixed by the Syndicate.

2. The examination shall be open to—

(a) any College student who—

(i) has been enrolled in a College affiliated to the University during the two academical years preceding the examination. (The Syndicate may condone a deficiency in this period for very special reasons);

† (ii) has passed not less than two academical years previously the Intermediate Examination in the Arts or Science Faculty or the First Examination in Agriculture of the Panjab University, or (subject to the sanction of the Academic Council) other equivalent examination of any other recognised University;

(iii) has his name submitted to the Registrar by the Head of the College he has most recently attended;

(iv) produces the following certificates signed by the Head of the College he has most recently attended—

(1) of good character;

(2) of having attended not less than two-thirds of the full courses of lectures de-

* Lahore.

† Burmah Intermediate Science Examination considered equivalent to the I.Sc. Examination of the Panjab University (*Senate*, 13th June, 1927).

livered in each of the subjects in which he desires to be examined. (A deficiency in the number of lectures may be condoned for very special reasons under Regulation 7 of Chapter III) ;

- (3) for the practical examination in any group of Science subjects,* of having attended not less than two-thirds of the periods assigned to practical work in that group† (the minimum number of attendances required being sixty);
- (4) in the case of a candidate intending to appear in Military Science, of having attended not less than two-thirds of the total number of parades held or fifty parades in two years, whichever is greater: each day in camp to count as one parade;

- (b) any private candidate who is admitted under Regulations XI by the special order of the Senate and who has passed not less than two years previously the Intermediate Examination in Science or some equivalent examination:

Provided that the Syndicate or the determining authority under Regulation 7 of Chapter III shall have power to exclude any candidate from the examination, if it is satisfied that such candidate is not a fit person to be admitted thereto.

3. Every candidate shall ordinarily forward his application to the Registrar, at least eight weeks before the commencement of the examination, accompanied by a fee of forty-five rupees, or in the case of a private candidate of fifty rupees, and a statement showing the subjects in which he desires to be examined. A can-

* Read : " in any Science subject " (*Synd.*, 17-12-15).

† Read : " in that subject " (*Synd.*, 17-12-15).

didate who does not forward his application to the Registrar at least eight weeks before the date fixed for the examination can only be admitted by a special direction of the Syndicate. A candidate who fails to pass or to present himself for examination shall not be entitled to claim a refund of the fee; but he may be admitted to one or more subsequent examinations on payment of the above fee on each occasion.

3-A. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay additional fee of Rs. 5. Provided that such application shall only be entertained up to four weeks before the commencement of the examination.

4. Except in the case of candidates who have passed the First Examination in Agriculture, every candidate shall be required to take up English and any *one* of the following groups:—

- (a) Physics and Chemistry.
- (b) Botany and Zoology.
- (c) Geology and Physics.
- (d) Physiology and Chemistry.
- (e) Botany and Chemistry.
- (f) Botany and Physics.
- (g) Zoology and Physiology.
- (h) Geology and Chemistry.
- (i) Chemistry and Technical Chemistry.
- (j) Physics and Astronomy.
- (k) Zoology and Chemistry.
- (l) Zoology and Physics.
- (m) Physiology and Human Anatomy.
- (n) Zoology and Human Anatomy.

Every candidate who has passed the First Examination in Agriculture shall be required to take up English and any two subjects out of (a) Botany, (b) Zoology, (c) Geology, (d) Mathematics, (e) Physics, and (f) Chemistry, provided that such a candidate when desirous of taking Mathematics or Physics or Chemistry must:—

- (i) attend at least two-thirds of the extra lectures arranged in Mathematics, or in the case of

Physics and Chemistry at least twenty extra practicals and two-thirds of the extra lectures arranged in the subject concerned, and

- (ii) appear in and pass in the subject concerned in the supplementary F.Sc. Examination in September or in the next annual examination.

A candidate has the option of taking up either two papers or three papers in English carrying 150 marks.

In addition to the above subjects there shall be an additional paper in an Indian Vernacular, recognised by the University, which may be taken by any candidate.

*Any candidate, who is a member of the Panjab University Training Corps or of the Panjab Rifles A.F. (I.) and has attended the prescribed number of the parades held, shall have the option of taking Military Science as an additional optional subject in place of an Indian Vernacular recognised by the University.

Provided that, except in the case of Geology, a candidate shall not take up any Science unless he has taken the corresponding subject in the Intermediate Examination, and provided that he shall not take up Astronomy, unless he has also taken up Mathematics in the Intermediate Examination. Except that a candidate who has not taken Physiology in the Intermediate Examination shall, if he has read Biology, be allowed to take up Physiology for the Degree Examination, that a candidate who has taken Agriculture as one of the subjects for the Intermediate Science Examination shall be allowed to take up Botany or Zoology or both for this examination, and that a candidate

* It is not necessary for the candidate to have qualified himself in the Military Science as additional subject in the Intermediate Examination.

who has taken Biology or Physiology for the Intermediate Science Examination shall be allowed to take *Zoology or Botany or Physiology as one of the subjects for this examination.

Provided further that the examination in Technical Chemistry shall be held for the last time in 1929, except in the case of students who revert to the Pass Course from the Honours School in Technical Chemistry.

5. One hundred and fifty marks shall be allotted to each subject except that in the case of additional paper in Indian Vernacular or in Military Science the marks allotted shall be fifty.

6. The minimum number of marks required to pass this examination shall be *thirty-three* per cent. in English in the first two papers and *forty* per cent. in each Science subject and in the aggregate of the pass papers. In each Science subject this pass percentage is required in the written examination and in the aggregate but only *thirty-three* per cent. in the practical examination.

In the case of additional papers in Indian Vernacular or in Military Science the minimum number of marks required to pass the examination shall be forty per cent. A candidate shall receive no credit for the marks obtained in this paper unless he obtains forty per cent., in which case these marks shall be added to the total.

In Military Science this percentage shall be required separately in both the practical and written examinations.

7. Candidates who obtain sixty-five per cent. of the aggregate number of marks or more in the pass papers shall be placed in the first division; those who obtain not less than fifty per cent. in the second division; and all below in the third division.

Any student who has obtained 45 per cent. of the aggregate number of marks but has failed in one

subject only, obtaining not less than 25 per cent. of the marks in that subject, may be admitted to an examination in that subject only at a special supplementary examination to be held about the end of September of the same year, or, if he fail to pass or present himself for the examination then, at the next annual examination, on payment of the same fee as for the whole examination on each occasion; and if he pass in that subject in either of those years he shall be deemed to have passed the examination for the Degree of Bachelor of Science. In case a candidate fails only in one practical in this examination but obtains not less than twenty-five per cent. marks in that practical and not less than forty per cent. marks in the aggregate of that subject and the aggregate of all the subjects, he may be admitted to an examination in that subject only at a special supplementary examination to be held in September, or, if he fails to pass or present himself for the examination in September, at the next University examination in April, and if he passes he shall be declared to have passed the B.Sc. Examination.

The candidate appearing in the examination to be held in September of the same year shall ordinarily forward his application to the Registrar at least five weeks before the commencement of the examination accompanied by the prescribed fee. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay additional fee of Rs. 5, provided that such application shall only be entertained up to two weeks before the commencement of the examination. The candidate appearing in the annual examination shall in this respect be governed by Regulations 3 and 3-A.

Provided that a private candidate who joins a College shall attend at least two-thirds of the lectures delivered in the one subject during the year preceding his reappearance.

Provided further that no candidate who passes under this Regulation shall be eligible for a scholarship, or for Honours.

8. An outline of the tests in each subject is given in Appendix A. This outline can be changed from time to time by the Syndicate, or, in accordance with the Regulations, by the Academic Council, with the approval of the Senate.

9. The Courses of Reading prescribed by the Senate are specified in Appendix B. In cases where text-books are prescribed, the candidates will be required not only to show a thorough knowledge of the text-books, but also to answer questions of a similar standard set with a view of testing their general knowledge of the subject. Courses of reading can be changed from time to time in accordance with the Regulations by the Syndicate, or the Academic Council as the case may be, with the approval of the Senate; such changes being always duly notified at least two years before the date of examination in which they will take effect.

10. Four weeks after the commencement of the examination, or as soon thereafter as is possible, the Registrar shall publish a list of the candidates who have passed, arranged in three divisions, the first and second being in order of merit. Each successful candidate shall receive with his degree a certificate stating the division in which he has passed.

11. Any candidate may be examined for Honours in Physics or Geology or, if he has qualified in three papers, in English on payment of an extra fee of twenty rupees provided he is certified to have attended not less than two-thirds of the full course of instruction given in that subject in an Honours class either in Lahore or elsewhere for which the programme of work has been approved by the Academic Council.

12. In addition to the Pass Papers in the subject in which the candidate seeks Honours there shall be two Honours Papers each carrying in the case of

Physics seventy-five marks and in the case of Geology sixty marks, and a practical examination carrying fifty marks in the case of Physics and sixty marks in the case of Geology, and, in the case of Geology an account of field-work carrying twenty marks.

Three Honours Papers shall be set in addition to the Pass Papers in English. Seventy marks shall be allotted to each of two of these Honours Papers and sixty marks to the third paper, which may be of a more general character or an Essay Paper, as the Board of Studies in English may decide.

Unless a candidate obtains 50% in the Pass Papers in the subject in which he seeks Honours, his Honours Papers shall not be examined. To obtain Honours, a candidate must obtain at least 45% in the Honours Papers taken together. The order of merit in a subject will be settled by the combined result of the Pass and Honours Papers in that subject.

The marks gained in the Honours Papers shall not be added to the total gained in the Pass examinations. An Honours list shall be published in each subject in order of merit.

13. A student who has passed this examination may appear in the Intermediate in Arts or the Bachelor of Arts Examination in a classical language only, on payment of rupees ten, and on obtaining pass marks in that subject be granted a certificate to that effect. A candidate may elect to appear in the B.A. Examination in this subject without having previously taken the Intermediate Examination in the subject.

Candidates appearing under this Regulation shall be permitted to appear in the subject in the supplementary examination held in September.

14. Any student who has passed this examination and obtained fifty per cent. marks in Physics may appear in the Honours Papers in Physics in any subsequent year on payment of prescribed fee and on obtaining pass marks in the Honours Papers be granted a certificate to that effect.

15. A candidate who has passed this examination may be allowed to appear at any subsequent examination in any one subject, which under the Regulations in force he could have taken for the examination but did not offer, on payment of a fee of rupees fifteen, provided that in the case of Science subjects the candidate has attended at least the minimum number of practicals, prescribed for the subject, in an institution affiliated to the B.Sc. Degree of this University. Such a candidate, on obtaining pass marks in that subject, shall be granted a certificate to that effect. Candidates appearing under this Regulation shall be permitted to appear in this subject in the supplementary examination held in October.

APPENDIX A.

I.—English—

Marks.

*Two written papers of three hours each—

- | | | |
|---|--------|-----------------|
| (a) Explanation of passages in prose with questions on the text-books and their authors | ... | 80 |
| (b) Unseen passages, from modern books and magazines, with questions calculated to test the candidate's ability to grasp and express the meaning of what he reads, and his knowledge of English idiom. An Essay | ... .. | 70 |
| | | <hr/> 150 <hr/> |

In this subject special value is attached to idiomatic accuracy of composition.

II.—Physics—

Marks.

- | | | |
|---|--------|-----------------|
| 1. Practical examination | ... .. | 50 |
| 2. Two written papers of three hours each— | | |
| (a) Properties of Matter, Mechanics, Light and Heat | ... .. | 50 |
| (b) Sound, Electricity, Magnetism | ... .. | 50 |
| | | <hr/> 150 <hr/> |

* A candidate has the option of taking up either these two papers or the three papers prescribed in English for the B.A. Examination.

III.—Chemistry—

Marks.

1. Practical examination	...	...	50
2. Two written papers of three hours each—			
(a) Inorganic	...	...	35
Physical	...	...	15
(b) Organic	...	...	35
Physical	...	...	15
			<hr/> 150 <hr/>

IV.—Botany—

1. Practical examination	...	...	50
2. Two written papers of three hours each—			
(a) Cryptogams	...	...	50
(b) Phanerogams and Physiology	...	...	50
			<hr/> 150 <hr/>

V.—Zoology—

1. Practical examination	...	...	50
2. Two written papers of three hours each—			
(a) Invertebrata	...	...	50
(b) Chordata, Theoretical and General	...	...	50
			<hr/> 150 <hr/>

VI.—Geology—

1. Practical examination	...	...	50
2. Two written papers of three hours each—			
(a) Mineralogy, Petrology and Dynamical Geology	...	...	50
(b) Structural and Stratigraphic Geology	...	...	50
			<hr/> 150 <hr/>

VII.—Physiology—

Two written papers of three hours each—			
First paper	...	...	50
Second paper	...	...	50
Practical examination	...	...	50
			<hr/> 150 <hr/>

VIII.—Technical Chemistry—				Marks.
(a)	Written paper of three hours on the general course	...	...	50
(b)	Thesis with oral examination on same	...	...	50
(c)	Practical examination	...	...	50
				150
IX.—Astronomy—				
	Two written papers of three hours each	...	...	100
	Practical test	...	...	50
				150
X.—Human Anatomy—				
Under consideration.				
XI.—Military Science—				
One written paper and a practical test—				
(a)	Written paper	...	...	25
(b)	Practical test	...	...	25
				50
XII.—Additional Paper in an Indian Vernacular—				
	One paper of three hours	...	...	50

HONOURS PAPERS.

The outline of test for the Honours Papers in Physics, Geology and English in the Faculty of Science is the same as for the Faculty of Arts.

APPENDIX B. (*See Chapter XXI.*)

Courses of Reading for the B.Sc. Examination.

M.Sc. EXAMINATION.

1. An examination for the Degree of Master of Science shall be held annually in Lahore, beginning on the second Monday in April or on such other date as may be fixed by the Syndicate.

2. The examination shall be open to—

(a) any College student who—

- (i) is (1) a Bachelor* of Science of the University of the Panjab or (subject to the sanction of the Academic Council) of any other recognised University, or (2) in the case of a candidate who is a Bachelor of Arts of the University of the Panjab or (subject to the sanction of the Academic Council) of any other recognised University, and has taken Physics or Chemistry in the Bachelor of Arts Examination;
- (ii) has his name submitted to the Registrar by the Head of the College he has most recently attended;
- (iii) produces the following certificates signed by the Head of the College he has most recently attended—
 - (1) of good character;
 - (2) for the practical examination in Science, of having attended not less than two-thirds of the periods assigned to prac-

* B.Sc. in Agriculture eligible to join the M.Sc. class (para. 5, *Synd.*, 2-2-13).

B.A. and B.Sc. degrees of Benares Hindu University, and B.Sc. degree of the University of Bristol considered equivalent to our own (*Senate Proc.*, 28-3-25, and 7-11-25, respectively, and *Senate Proc.*, 29-11-1926).

B.A. and B.Sc. degrees (1st and 2nd Class) of Agra University considered equivalent to the B.A. and B.Sc. degrees of the Panjab University (*Academic Council Proceedings*, dated 28-11-1928, paragraph 2).

tical work in that subject (the minimum number of attendances required being seventy-five);

- (b) any private candidate who is admitted under Regulations XI by the special order of the Senate, and is a graduate in Science of the Panjab or any other recognised University.

3. Every candidate shall forward his application to the Registrar, at least eight weeks before the commencement of the examination, accompanied by a fee of seventy-five rupees, or in the case of a private candidate of eighty rupees, and a statement showing the subject in which he desires to be examined. A candidate who fails to pass or to present himself for the examination shall not be entitled to claim a refund of the fee, but he may be admitted to one or more subsequent examinations on payment of the above fee on each occasion.

3-A. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay additional fee of Rs. 5. Provided that such application shall only be entertained up to four weeks before the commencement of the examination.

4. Every candidate shall be required to take up one subject and one only.

The following are the subjects of examination:—

- (1) Physics.
- (2) Chemistry.
- (3) Geology.
- (4) Physiology.

The examination in Chemistry under these Regulations shall be held for the last time in the year 1930 and shall be open only to such candidates as have been candidates in and failed to pass the M.Sc. Examination in Chemistry in 1928 or before.

5. In all subjects the examination shall consist of written papers and a practical test. In addition, if it

is considered advisable, a thesis on any branch of the subject may be submitted. The outline of the tests in each subject and the marks allotted are given in Appendix B, subject to the restriction that the total marks given shall be 700.

6. The minimum number of marks required to pass this examination shall be *forty-five* per cent. in the aggregate and *thirty-three* per cent. in each paper and in the practical examination.

7. Candidates who gain *sixty-five* per cent. or more of the aggregate marks shall be placed in the first class; those who gain not less than *fifty-five* per cent. in the second class; and all below, in the third class.

7-A. Four weeks after the commencement of the examinations, or as soon as is possible, the Registrar shall publish a list of the candidates who have passed, arranged in three divisions, the first and second being in order of merit. Each successful candidate shall receive with his degree, a certificate stating the division in which he has passed.

8. Any Master of Science may, on payment of a fee of sixty rupees or in the case of a private candidate sixty-five rupees, be admitted to this examination in any branch other than that in which he was previously examined, and may, if his attainments come up to the standard prescribed, be granted a certificate to that effect, stating the class in which he has passed.

9. If in any dissertation involving original work, the examiners are of opinion that the work presented is not sufficient, and if the candidate's other papers reach such a standard that qualifying marks in the dissertation would have enabled him to pass the examination, the candidate may be given an opportunity of completing his work at the discretion of the examiners. The maximum extra time allowed in such a case shall be one year, but it shall be possible for the candidate to submit his results at any time within that period. Such candidates shall at the time of publication of the

results of the M.Sc. Examination be notified as being required by the examiners to submit further work under the above head. Such candidates shall not be eligible for medals nor other University distinctions.

APPENDIX B. (*See Chapter XXI.*)

Courses of Reading for the M.Sc. Examination.

THE DOCTOR OF SCIENCE EXAMINATION.

1. Every candidate for the Degree of Doctor of Science shall be required to—

- (i) produce a certificate that he has taken the Degree of Master of Science in the Faculty of Science or the Faculty of Agriculture, or of Master of Arts in Mathematics of the University of the Panjab or (subject to the sanction of the Academic Council) of any other recognised University or, being a graduate of the University of the Panjab, has passed any other equivalent examination in the subject with which his thesis is connected;
- (ii) prove to the satisfaction of the Syndicate if he has passed the Degree of Master from the University of the Panjab, that for not less than two years after passing his examination for the Degree of Master he has pursued an advanced course of study bearing upon the subject selected by him for the degree; or if he has passed the Degree of Master from any other recognised University (a) that he

- has for not less than two years carried on research work under approved supervision in an institution affiliated to this University; and (b) that, in the case of Science subjects, his examination for the Degree of Master included some research work failing which he shall adduce satisfactory evidence of having done adequate research work after taking the Master's degree but before admission to work for this degree;
- (iii) submit an approved thesis showing ability in original research on a subject previously accepted by the Academic Council;
 - (iv) pass an examination, oral or written, if required by the Examiners, on the subject of his thesis and cognate subjects.

2. Every candidate shall forward with his application a fee of rupees two hundred.

3. *Two Examiners shall be appointed who shall both read the thesis and all the answer papers, if any, and shall satisfy themselves that the thesis is the candidate's own work, and shall each present a report to the Syndicate stating whether, in their opinion, the candidate is by reason of his attainments a fit person to receive the Degree of Doctor.

In the event of a difference of opinion between the two Examiners the Syndicate shall have power to appoint a third Examiner.

The Registrar shall publish the result in accordance with the decision of the Syndicate.

* Both the Examiners to be selected from Universities in Europe (*Syndicate Proceedings*, dated the 15th March, 1927, paragraph 41).

(iv) *FACULTY OF LAW.*

THE FIRST EXAMINATION IN LAW.

1. The First Examination in Law shall be held annually at Lahore beginning on the first of May, or on such other date as may be fixed by the Syndicate.

2. The examination shall be conducted through the medium of English.

3. The examination shall be open to any person who has graduated in the Faculty of Arts or of Science or of Commerce or of Agriculture of the University of the Panjab or (subject to the sanction of the Syndicate) of any other* recognised University, and

(1) has attended not less than three-fourths of the lectures delivered in English to his class during the year preceding the examination, or

* The B.A. and B.Sc. degrees of the following Universities have been recognised as equivalent to the B.A. and B.Sc. degrees of the Panjab University :—

1. Allahabad.
 2. Bombay.
 3. Calcutta.
 4. Madras.
 5. Mysore.
 6. Dacca.
 7. Delhi.
 8. Nagpur
 9. Muslim University, Aligarh.
 10. Hindu University, Benares.
 11. Lucknow University.
 12. Andhra University
 13. Annamalai University
- } (B.A. degree only).

The Ph.B. degree of the University of Chicago, U.S.A., recognised as equivalent to the B.A. degree of this University.

*(2) has served as a judicial officer in the province for at least three years, provided that at the time of appearing in the examination he has not ceased to be in judicial service, or

(3) is a female candidate.

3-A. A deficiency in the number of lectures may be condoned for very special reasons under Regulation 7 of Chapter III.

4. A student of the College who, having attended the prescribed number of lectures, does not appear at the examination for sufficient cause, or having appeared at the examination has failed,† may be allowed to appear at the next examination and the one after the next without attending a fresh course of lectures.

Provided that no candidate shall be permitted to appear in the examination to be held in 1930 and 1931 unless he has attended the prescribed number of lectures delivered in the College in the course prescribed for the examination to be held in 1930.

5. Every candidate shall forward his application to the Registrar in such form as may from time to time be prescribed, ordinarily at least thirty days before the commencement of the examination, accompanied by a fee of forty rupees, or in the case of a private candidate of forty-five rupees. A candidate who fails to pass or to present himself for examination shall not be entitled to claim a refund of the fee; but, subject to his making an application in accordance with this rule, he may be admitted to subsequent examinations on payment of a like fee on each occasion.

5-A. Whenever the application or fee of the candidate is received more than three days after the last

* Judicial officers in the Indian States not entitled to appear privately under this Regulation (*Synd. Proc.*, dated 23rd October, 1925, para. 21).

† This right is not taken away by reason of a candidate's re-admission in the Law College either as a regular student or as a casual student (*Syndicate Proceedings*, dated the 24th April, 1931).

date prescribed above, he shall pay additional fee of Rs. 5. Provided that such application shall only be entertained up to fifteen days before the commencement of the examination.

6. Six papers of three hours each shall be set in this examination.

*7. The following shall be the subjects of examination:—

- I. Jurisprudence and Principles of Roman Law.
- II. Constitutional Law of England and India.
- III. Hindu and Mohammadan Law and Panjab Customary Law.
- IV. Law of Contract and Torts.
- V. Indian Limitation Act (Sections only) and Civil Procedure Code (Sections only).
- VI. Criminal Law (I.P. Code and Cr.P. Code).

NOTE.—In Paper I. Jurisprudence will cover questions of sixty-five marks and Roman Law (selected syllabus) of thirty-five marks. In Paper II. Constitutional Law of England and of India would carry fifty marks each.

8. Each paper shall carry a maximum number of 100 marks.

9. Every candidate shall, in order to be deemed to have passed this examination, be required to obtain forty per cent. of the maximum number of marks allotted to each paper and fifty per cent. in the aggregate.

(i) A candidate who fails in one subject only but has obtained fifty per cent. of the aggregate marks in the examination and not less than twenty-five per cent. of marks in the subject in which he has failed may be permitted to appear in that subject only at a special supplementary examination to be held about the end of September of the same year, on payment of forty rupees, or in the case of a private candidate of forty-five rupees.

If he obtain forty per cent. of marks in that one

* In Paper IV a study of leading cases as prescribed by the University is also included.

subject he shall be deemed to have passed the First Examination in Law.

(ii) If he fail to pass or fail to appear in the special examination in September he may be permitted to appear again in that one subject in the annual examination of the following year, under the same conditions as laid down in paragraph (i) and provided that he can produce a certificate proving that he has subsequent to his last failing passed in the College Sessional Examination held in the above subject.

(iii) A candidate who fails to appear or fails to pass in the annual examination mentioned in paragraph (ii) will be declared to have failed in the whole examination and must appear in all subjects at any subsequent examination.

(iv) The candidate appearing in the supplementary or the annual examination under this Regulation shall ordinarily forward his application to the Registrar at least thirty days before the commencement of the examination accompanied by the prescribed fee. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay additional fee of Rs. 5. Provided that such application shall only be entertained up to fifteen days before the commencement of the examination.

10. Four weeks after the commencement of the examination, or as soon thereafter as is possible, the Registrar shall publish a list of the candidates who have passed arranged in order of merit.

11. A certificate of having passed the First Examination in Law shall be granted to each successful candidate; the position of the candidate in order of merit being stated therein.

APPENDIX B. (*See Chapter XXI.*)

List of Books and Acts recommended for perusal.

THE EXAMINATION FOR THE DEGREE OF BACHELOR OF LAWS.

1. An examination for the Degree of Bachelor of Laws shall be held annually at Lahore, beginning on the first of May, or on such other date as may be fixed by the Syndicate.

2. The examination shall be open to any person who has passed the First Examination in Law of the University of the Punjab, and

(1) has attended not less than three-fourths of the lectures delivered to his class during the year preceding the examination, or

*(2) has served as a judicial officer in the Province for at least three years, provided he has not ceased to be in judicial service, or

(3) has attended not less than three-fourths of the lectures delivered to his class during any year, and has been practising the profession of law, or

(4) is a female candidate.

2-A. A deficiency in the number of lectures may be condoned for very special reasons under Regulation 7 of Chapter III.

3. A student of the College who, having attended the prescribed number of lectures, does not appear at the examination for sufficient cause, or having appeared at the examination has failed,† may be allowed to appear at the next examination and the one after the next without attending a fresh course of lectures.

4. Every candidate shall forward his application to the Registrar in such form as may, from time to time,

* Judicial officers in the Indian States not entitled to appear as private candidates under this Regulation (*Synd. Proc.*, dated 23rd October, 1925, para. 21).

† This right is not taken away by reason of a candidate's re-admission in the Law College either as a regular student or as a casual student (*Syndicate Proceedings*, dated the 24th April, 1931).

be prescribed, ordinarily at least thirty days before the commencement of the examination, accompanied by a fee of sixty rupees, or in the case of a private candidate of sixty-five rupees. A candidate who fails to pass or to present himself for examination shall not be entitled to claim a refund of the fee, but subject to his making an application in accordance with this rule, he may be admitted to subsequent examinations on payment of a like fee on each occasion.

(i) A candidate who fails in one subject only but has obtained fifty per cent. of the aggregate marks in the examination and not less than twenty-five per cent. of marks in the subject in which he has failed may be permitted to appear in that subject only at a special supplementary examination to be held about the end of September of the same year, on payment of sixty rupees or in the case of a private candidate of sixty-five rupees.

If he obtain forty per cent. of marks in that one subject he shall be deemed to have passed the LL.B. Examination.

(ii) If he fail to pass or fail to appear in the special examination in September he may be permitted to appear again in that one subject in the annual examination of the following year, under the same conditions as laid down in paragraph (i).

(iii) A candidate who fails to appear or fails to pass in the annual examination mentioned in paragraph (ii) will be declared to have failed in the whole examination and must appear in all subjects at any subsequent examination.

(iv) The candidate appearing in the examination under (i) or (ii) above shall ordinarily forward his application to the Registrar at least thirty days before the commencement of the examination accompanied by the prescribed fee.

4-A. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay additional fee of

Rs. 5. Provided that such application shall only be entertained up to fifteen days before the commencement of the examination.

5. Six papers of three hours each shall be set in this examination.

6. English shall be the medium of examination.

*7. The following shall be the subjects of the examination:—

- I. Principles of Equity with special reference to Mortgages, Trusts and specific Relief.
- II. Revenue (omitting rules), Tenancy, Panjab Alienation of Land Act, and Pre-emption.
- III. Indian Contract Act, the Negotiable Instruments Act, the Sale of Goods Act III of 1930, and the Indian Partnership Act No. 9 of 1932.
- IV. Civil Procedure Code (including the drafting of plaints, memorandum of appeals, etc.), Panjab Courts Act, and Indian Limitation Act (Schedule only).
- V. Law of Evidence, and Legal Practitioners' Act.
- VI. Minors, Registration, Court Fees, and Provincial Insolvency Acts.

NOTE.—In Paper VI and Schedule part of Limitation Act in Paper IV the questions set will test the practical knowledge of the candidates, who will be allowed the use of bare Acts in the Examination Hall.

8. Notwithstanding anything to the contrary, no one who has not passed the First Examination in Law in the subjects newly prescribed in Regulation 7, will be allowed to appear in the LL.B. Examination to be held according to new Regulation 7.

Provided that a candidate who had attended a full course of lectures under the old syllabus for the LL.B. Examination in 1925 or subsequently will be permitted to appear in the LL.B. Examination in 1933 by taking up subjects prescribed for the said examination in the old syllabus and without being required to attend a fresh course of lectures in the Law College.

9. Each paper shall carry a maximum number of 100 marks.

* In Papers I and III a study of leading cases as prescribed by the University is also included.

10. Every candidate shall, in order to be deemed to have passed this examination, be required to obtain forty per cent. of the maximum number of marks allotted to each paper, and fifty per cent. in the aggregate.

11. A candidate who obtains sixty per cent. in the aggregate shall be shown as having passed in the first division, and all other passed candidates in the second division.

12. Four weeks after the commencement of the examination, or as soon thereafter as is possible, the Registrar shall publish a list of the candidates who have passed, arranged in order of merit and showing the division in which they have passed.

13. A certificate of having passed the Bachelor of Laws Examination shall be granted to each successful candidate; the position of the candidate, in order of merit, and the division in which he has passed, being stated therein.

APPENDIX B. (*See Chapter XXI.*)

List of Books recommended for perusal.

THE EXAMINATION FOR DIPLOMA IN CONVEYANCING AND PLEADINGS.

1. The Examination for Diploma in Conveyancing and Pleadings shall be held annually at Lahore on such date as may be fixed by the Syndicate.

2. The examination shall be open to any person who (a) has passed the Bachelor of Laws Examination of the University of the Panjab or of any other recognised University in India, or has been admitted

as a Barrister in England or Ireland, or has attended the prescribed course of lectures delivered in the Law College, Lahore, for the Bachelor of Laws Examination of the Panjab University, and (b) has attended not less than three-fourths of the lectures delivered to his class during the year preceding the examination, or is a female candidate.

3. A student who, having attended the prescribed number of lectures, does not appear at the examination for sufficient cause, or having appeared at the examination has failed, may be allowed to appear at the next examination and the one after the next without attending a fresh course of lectures.

4. Every candidate shall forward his application to the Registrar in such form as may from time to time be prescribed ordinarily at least thirty days before the commencement of the examination, accompanied by a fee of ten rupees or in the case of a private candidate of fifteen rupees. A candidate who fails to pass or to present himself for examination shall not be entitled to claim a refund of the fee.

5. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay an additional fee of Rs. 5, provided that such application shall only be entertained up to seven days before the commencement of the examination.

6. Two papers of three hours each shall be set in this examination.

7. The examiner shall frame the question paper with reference to the syllabus and the text-books prescribed, and candidates shall be expected to have a knowledge of Conveyancing and Pleadings both in English and in Urdu.

8. Each question paper shall carry a maximum number of 100 marks.

9. Every candidate who obtains at least 100 marks in both the papers combined shall be deemed to have passed the examination.

10. A Diploma of having passed the Examination in Conveyancing and Pleadings shall be granted to each successful candidate.

APPENDIX B. (*See Chapter XXI*)

Syllabus and text-books recommended.

***THE SPECIAL TEST IN LAW EXAMINATION.**

1. The Examination for the Special Test in Law shall be held annually at Lahore on such date as may be fixed by the Syndicate.

2. The examination shall be open to any person who has passed the Bachelor of Laws Examination and has been permitted* to appear in the examination by the Hon'ble Judges of the High Court of Judicature at Lahore.

3. Every candidate shall forward his application to the Registrar in such form as may from time to time be prescribed ordinarily at least thirty days before the commencement of the examination, accompanied by a fee of one hundred rupees. A candidate who fails to pass or to present himself for examination shall not be entitled to claim a refund of the fee; but, subject to his making an application in accordance with this rule, he may be admitted to subsequent examinations on payment of a like fee on each occasion.

4. Whenever the application or fee of the candidate is received more than three days after the last date

* For a copy of Rules relating to the eligibility of candidates to appear at this examination, application should be made to the Registrar, High Court, Lahore.

prescribed above, he shall pay an additional fee of Rs. 5, provided that such application shall only be entertained up to fifteen days before the commencement of the examination.

5. One paper in the following five subjects of the standard expected of the candidates for the First Examination in Law and Bachelor of Laws Examination, carrying a maximum number of 100 marks, shall be set:—

- (1) Punjab Tenancy Act.
- (2) Punjab Land Revenue Act (omitting rules).
- (3) Punjab Alienation of Land Act.
- (4) Punjab Pre-emption Act.
- (5) Customary Law of the Punjab.

6. English shall be the medium of examination.

7. Every candidate shall, in order to be deemed to have passed this examination, be required to obtain 40 marks.

8. Four weeks after the commencement of the examination, or as soon thereafter as is possible, the Registrar shall publish a list of the candidates who have passed. A certificate of having passed the Special Test in Law Examination shall be granted to each successful candidate.

APPENDIX B. (*See Chapter XXI.*)

List of Books recommended for perusal.

THE EXAMINATION FOR THE DEGREE OF MASTER OF LAWS.

1. Candidates for the LL.M. Examination shall be examined at Lahore on the first of May or on such other date as may be fixed by the Syndicate.

2. The examination shall be open to any person who has taken the degree of LL.B. of the University of the Panjab or (subject to the sanction of the Syndicate) the equivalent law degree of any other *recognised University in India, at least two academical years before the examination.

3. Every candidate shall forward his application to the Registrar, in such form as may from time to time be prescribed, at least three months before the commencement of the examination, accompanied by a fee of one hundred rupees. A candidate who fails to pass or to present himself for examination shall not be entitled to claim a refund of the fee, but, subject to his making an application in accordance with this rule, he may be admitted to subsequent examinations on payment of a like fee on each occasion.

4. Five papers of three hours each shall be set in this examination.

5. English shall be the medium of examination.

6. The candidates shall be examined in *one* of the following four alternative groups of subjects:—

Group 1.

- (1) Jurisprudence.
- (2) Constitutional Laws of England and India.
- (3) Public International Law.
- (4) Conflict of Laws.
- (5) Roman Law or Hindu Law or Muhammadan Law.

* LL.B. degree of Nagpur University recognised for this purpose (*Syndicate Proceedings*, dated the 22nd April, 1932, paragraph 3).

LL.B. degree of the Bombay University and the B.L. degree of the Patna University recognised for this purpose (*Syndicate Proceedings*, dated the 16th December, 1932, paragraph 7).

Students of such Universities whose LL.B. Examination is recognised as equivalent to the LL.B. Examination of this University would be permitted to appear in the LL.M. Examination only if the examination is held by this University for its own students and then in the Group or Groups in which it is so held.

Group 2.

- (1) Land Tenures in British India. Easements and Profits.
- (2) Transfer Inter Vivos. Wills and Succession.
- (3) Equity with special reference to Specific Performance, Injunction and Trusts.
- (4) Hindu Law.
- (5) Muhammadan Law.

Group 3.

- (1) Law of Contract
- (2) Law of Torts.
- (3) Partnership and Sale of Goods.
- (4) Law relating to Negotiable Instruments, Banking, Insurance and Trade Marks.
- (5) Company Law and Bankruptcy.

Group 4.

- (1) Law of Crimes.
- (2) Law of Crimes.
- (3) Law of Evidence.
- (4) Jurisprudence and Theory of Legislation.
- (5) Hindu Law or Muhammadan Law.

7. Each paper shall carry a maximum number of 100 marks.

8. Every candidate shall, in order to be deemed to have passed this examination, be required to obtain one-half of the maximum number of marks allotted to each paper. A candidate who obtains sixty-six per cent. marks or more in the aggregate shall be shown as having passed the examination "with honours".

9. Four weeks after the commencement of the examination, or as soon as is possible, the Registrar shall publish the result of the examination. Successful candidates shall be arranged in order of merit into two lists :—

- (a) Pass.
- (b) Pass with honours.

Each successful candidate shall receive with his degree, a certificate stating the position of the candidate in order of merit.

APPENDIX B. (*See Chapter XXI.*)

List of Books recommended for perusal.

THE DEGREE OF DOCTOR OF LAWS.

1. Any person who has passed the Master of Laws Examination of this University may be admitted to the Degree of Doctor of Laws without examination, provided that—

- (a) the members of the Board of Studies of the Law Faculty shall testify, to the satisfaction of the Syndicate, that since passing the Master of Laws Examination he has practised the profession of Law with repute for three years, and that he is by reason of his eminent legal attainments and his high character, a fit and proper person to receive the Degree of Doctor of Laws; and
- (b) he shall produce an original thesis approved by the members of the aforesaid Board on some subject connected with Law.

2. A fee of two hundred rupees shall be paid by every candidate upon admission to the Degree of Doctor of Laws.

(v) *FACULTY OF MEDICINE.*

***REGULATIONS FOR THE DEGREES OF
BACHELOR OF MEDICINE AND BACHE-
LOR OF SURGERY (M.B.B.S.) AND
DOCTOR OF MEDICINE (M.D.), AND
MASTER OF SURGERY (M.S.).**

**BACHELOR OF MEDICINE AND BACHELOR
OF SURGERY (M.B.B.S.).**

1. An examination for the Degree of Bachelor of Medicine and Bachelor of Surgery shall be held twice a year in Lahore, not later than the second Monday in May and October, in the case of the First and Second Professional Examinations, and in April and October in the case of the Third and Final Professional Examinations or on such dates as may be fixed by the Syndicate. The examination shall consist of four parts, entitled respectively the First, Second, Third, and Final Professional Examinations for Bachelor of Medicine and Bachelor of Surgery.

For 1933.

THE FIRST PROFESSIONAL EXAMINATION.

2. This examination shall be open to any student who—

- (i) has been enrolled during the two academical years preceding the examination in a College affiliated to the University in the Faculty of Medicine;
- (ii) has passed not less than two years previously—
 - (a) the Intermediate Examination of the Science Faculty taking the Medical Students' group of

* In Regulations relating to Medical Examinations the words "available marks" mean "maximum marks" (*Syndicate Proceedings*, 7th December, 1928).

- the University of the Panjab or of the University of Delhi or of Aligarh Muslim University; or
- (b) the Intermediate Examination of the Science Faculty taking Biology and thereafter *either* the test in Additional Chemistry of the same examination or the B.Sc. Examination taking Chemistry; or
- (c) (in the case of women candidates only) the Intermediate Examination of the Arts Faculty of this University or (subject to the sanction of the Syndicate) the *equivalent examination of any other recognised University *and* in each of the Science subjects only of the Medical Students' group in the Intermediate Examination of the Science Faculty, if not passed already in the Arts Faculty;
- (iii) has his name submitted to the Registrar by the Head of the College in which he is enrolled;
- (iv) produces the following certificates signed by the Head of the College in which he is enrolled:—
- (1) of good character;
 - (2) of having attended not less than three-quarters of the full courses of lectures delivered in each of the subjects of examination; the minimum number of attendances required for each subject being seventy-five;
 - (3) of having been engaged in dissection for two academical years in the course of which he

* (a) Candidates who have passed the Intermediate Science Examination of the Bombay University in Group B; or

(b) Candidates who have passed the Intermediate Arts or Intermediate Science and Preliminary Science Examinations of the Calcutta University; or

(c) Candidates who have passed the First Science Examination, together with the Preliminary Science Examination of the Allahabad University; or

(d) Candidates who have passed only the First Science Examination of the Allahabad University, but *not* the Preliminary Science Examination, will be required to take a course in Organic Chemistry at the Lady Hardinge Medical College along with the subjects of the 1st M.B.B.S. curriculum, and pass at the end of their first year, the additional test in Chemistry examination of the Panjab University.

(e) Candidates who have passed the Intermediate Examination of the Madras University taking Physics, Chemistry, and Biology.

must have dissected the whole human body once carefully;

- (4) of having attended one course of Practical Histology, one course of Practical Physiological Chemistry, and one course of Experimental Physiology;

Provided that the Syndicate or the determining authority under Regulation 7 of Chapter III shall have power to exclude any candidate from the examination if it is satisfied that such candidate is not a fit person to be admitted thereto.

3. Every candidate shall forward his application to the Registrar at least fourteen days before the commencement of the examination, accompanied by a fee of forty rupees. A candidate who fails to pass or present himself for examination shall not be entitled to claim a refund of the fee. A candidate who fails to pass or to present himself for examination may, subject to Regulation 2, be admitted to one or more subsequent examinations on payment of a like fee of forty rupees on each occasion, and on producing a certificate proving that he has, subsequent to his last failing, attended one course of instruction in Practical Anatomy and one course of lectures in Physiology with practical work.

4. Every candidate shall be required to take up two subjects at one and the same time as follows:—

- (1) Anatomy;
- (2) Physiology.

5. Three hundred marks shall be allotted to each of the two subjects.

6. The minimum number of marks required to pass this examination shall be fifty per cent. in each subject, both in the written and oral and practical parts of the examination. Candidates who gain eighty per cent. of the marks in any subject shall be declared to have passed "with distinction" in that subject, and that no candidate who does not pass in all the subjects of the First Professional Examination at one

and the same time should be declared to have passed with distinction in any subject.

(i) A candidate who fails in one subject only but has obtained fifty per cent. of the aggregate marks in the examination and not less than forty per cent. of marks in the subject in which he has failed may be permitted to appear in that subject only at a special supplementary examination to be held about the end of September of the same year, on payment of the same fee as for the whole examination.

If he obtain fifty per cent. of marks in that one subject he shall be deemed to have passed the First Professional Examination.

(ii) If he fail to pass or fail to appear in the special examination in September he may be permitted to appear again in that one subject in the May examination of the following year, under the same conditions as laid down in paragraph (i) and provided that he can produce certificates proving that he has, subsequent to his last failing, attended—

(a) one course of lectures and practical work in the subject in which he failed; and

(b) has passed the College sessional examination in that subject.

(iii) A candidate who fails to appear or fails to pass in the May examination mentioned in paragraph (ii) will be declared to have failed in the whole examination and must appear in all subjects at any subsequent examination. Provided that before being permitted to appear in the examination he shall have to produce certificates proving that he has, subsequent to his last failing, attended—

(a) one course of Practical Anatomy;

(b) one course of lectures in Physiology; and

(c) has passed in the College sessional examinations held in the above subjects.

7. An outline of the tests in each subject is given in Appendix A. This outline can be changed from

time to time by the Syndicate, with the approval of the Senate.

8. The Courses of Study prescribed by the Senate are specified in the Syllabus laid down in Appendix B. This Syllabus can be modified from time to time by the Syndicate with the approval of the Senate.

9. As soon as possible after the examination, the Registrar shall publish a list of candidates who have passed, arranged in order of merit.

Each successful candidate shall be granted a certificate.

THE SECOND PROFESSIONAL EXAMINATION.

10. This examination shall be open to any student who—

- (i) has been enrolled during the academic year preceding the examination in a College affiliated to the University in the Faculty of Medicine;
- (ii) has passed previously the First Professional Examination;
- (iii) has his name submitted to the Registrar by the Head of the College in which he is enrolled;
- (iv) produces the following certificates signed by the Head of the College in which he is enrolled :—
 - (1) of good character;
 - (2) of having attended not less than three-quarters of the full courses of lectures delivered in each of the subjects of examination; the minimum number of attendances required for each subject being seventy-five;
 - (3) of having attended one course of practical instruction in Bacteriology and Clinical Pathology, and one course of demonstrations in Pathological Histology;
 - (4) of having studied Practical Pharmacy, and of having acquired a practical knowledge of the compounding of Medicines;

Provided that the Syndicate or the determining authority under Regulation 7 of Chapter III shall have power to exclude any candidate from the examination if it is satisfied that such candidate is not a fit person to be admitted thereto.

11. Every candidate shall forward his application to the Registrar at least fourteen days before the commencement of the examination, accompanied by a fee of forty rupees. A candidate who fails to pass or present himself for examination shall not be entitled to claim a refund of the fee. A candidate who fails to pass or present himself for examination, may, subject to Regulation 10, be admitted to one or more subsequent examinations on payment of a like fee of forty rupees on each occasion, and on producing a certificate proving that he has, subsequent to his last failing, attended one course of lectures in each of the subjects of the examination, and one course of instruction in Practical Pathology.

12. Every candidate shall be required to take up two subjects at one and the same time as follows:—

(1) *Materia Medica*;

(2) *Pathology*, including *Parasitology*.

13. Three hundred marks shall be allotted to each of the two subjects.

14. The minimum number of marks required to pass this examination shall be fifty per cent. in each subject, both in the written and oral and practical portions of the examination. Candidates who gain eighty per cent. of the marks in any subject shall be declared to have passed "with distinction" in that subject, and that no candidate who does not pass in all the subjects of the Second Professional Examination at one and the same time should be declared to have passed with distinction in any subject.

(i) A candidate who fails in one subject only but has obtained fifty per cent. of the aggregate marks in the examination and not less than forty per cent. of marks in the subject in which he has failed may be permitted to appear in that subject only at a special supplementary examination to be held about the end of September of the same year, on payment of the same fee as for the whole examination.

If he obtain fifty per cent. of marks in that one subject he shall be deemed to have passed the Second Professional Examination.

*(ii) If he fail to pass or fail to appear in the special examination in September he may be permitted to appear again in that one subject in the May examination of the following year, under the same conditions as laid down in paragraph (i) and provided that he can produce certificates proving that he has, subsequent to his last failing, attended—

- (a) one course of lectures and practical work in the subject in which he failed; and
- (b) has passed the College sessional examination in that subject.

(iii) A candidate who fails to appear or fails to pass in the May examination mentioned in paragraph (ii) will be declared to have failed in the whole examination and must appear in all subjects at any subsequent examination. Provided that before being permitted to appear in the examination he shall have to produce certificates proving that he has, subsequent to his last failing, attended—

- (a) one course of lectures in Pathology with practical work;
- (b) one course of lectures in Materia Medica; and
- (c) has passed the College sessional examinations in the above subjects.

15. An outline of the tests in each subject is given in Appendix A. This outline can be changed from time to time by the Syndicate, with the approval of the Senate.

* Candidates who fail or come under compartment in the examination to be held in May, 1933, shall be required to appear in the full examination (i.e. Materia Medica and Pathology which constitute the Second Professional M.B.B.S.) next time, i.e. from October, 1933 (*Syndicate Proceedings*, dated the 25th November, 1932).

16. The Courses of Study prescribed by the Senate are specified in the Syllabus laid down in Appendix B. This Syllabus can be modified from time to time by the Syndicate with the approval of the Senate.

17. As soon as possible after the examination the Registrar shall publish a list of candidates who have passed, arranged in order of merit.

Each successful candidate shall be granted a certificate.

THE THIRD PROFESSIONAL EXAMINATION.

18. This examination shall be open to any student who—

- (i) has been enrolled during the academic year preceding the examination in a College affiliated to the University in the Faculty of Medicine;
- (ii) has passed previously the Second Professional Examination;
- (iii) has his name submitted to the Registrar by the Head of the College in which he is enrolled;
- (iv) produces the following certificates signed by the Head of the College in which he is enrolled :—
 - (1) of good character;
 - (2) of having attended not less than three-quarters of the full courses of lectures delivered in each of the subjects of the examination; the minimum number of attendances required being for Forensic Medicine and Toxicology 38, and for Hygiene 30.

Provided that the Syndicate or the determining authority under Regulation 7 of Chapter III shall have power to exclude any candidate from the examination if it is satisfied that such candidate is not a fit person to be admitted thereto.

19. Every candidate shall forward his application to the Registrar at least fourteen days before the commencement of the examination, accompanied by a fee of twenty rupees. A candidate who fails to pass or present himself for examination shall not be entitled to claim a refund of the fee. A candidate who fails to pass or present himself for examination may, subject to Regulation 18, be admitted to one or more

subsequent examinations on payment of a like fee of twenty rupees on each occasion, and on producing a certificate proving that he has, subsequent to his last failing, attended one course of lectures in each of the subjects of the examination and has passed the College sessional examinations in those subjects.

20. Every candidate shall be required to take up two subjects at one and the same time as follows:—

- (1) Forensic Medicine and Toxicology.
- (2) Hygiene.

21. One hundred and fifty marks shall be allotted to each of the two subjects.

22. The minimum number of marks required to pass this examination shall be fifty per cent. in each subject, both in the written and the oral. Candidates who gain eighty per cent. of the marks in any subject shall be declared to have passed "with distinction" in that subject, but no candidate who does not pass in all the subjects of the Third Professional Examination at one and the same time should be declared to have passed with distinction in any subject.

(i) A candidate who fails in one subject only, but has obtained fifty per cent. of the aggregate marks in the examination, and not less than forty per cent. of the marks in the subject in which he has failed may be permitted to appear in that subject only at a special supplementary examination to be held not later than the second Monday in the month of October of the same year, on payment of the same as for the whole examination. If he obtains fifty per cent. of marks in that one subject, he shall be deemed to have passed the Third Professional Examination.

(ii) If he fail to pass or fail to appear in the special examination in October he may be permitted to appear again in that one subject in the April examination of the following year, under the same conditions as laid down in paragraph (i) and provided that he can produce certificates proving that he has, subsequent to his last failing, attended—

- (a) one course of lectures in the subject in which he failed; and
- (b) has passed the College sessional examination in that subject.

(iii) A candidate who fails to appear or fails to pass in the April examination mentioned in paragraph (ii) will be declared to have failed in the whole examination and must appear in all subjects at any subsequent examination, provided that before being permitted to appear in the examination he shall have to produce certificates proving that he has, subsequent to his last failing, attended:—

- (a) one course of lectures in Forensic Medicine and Toxicology;
- (b) one course of lectures in Hygiene; and
- (c) has passed the College sessional examinations held in the above subjects.

23. An outline of the tests in each subject is given in Appendix A. This outline can be changed from time to time by the Syndicate with the approval of the Senate.

24. The Courses of Study prescribed by the Senate are specified in the Syllabus laid down in Appendix B. This Syllabus can be modified from time to time by the Syndicate with the approval of the Senate.

25. As soon as possible after the examination the Registrar shall publish a list of candidates who have passed, arranged in order of merit.

Each successful candidate shall be granted a certificate.

THE FINAL PROFESSIONAL EXAMINATION.

26. This examination shall be held twice a year in the months of April and October or on such date as may be fixed by the Syndicate, and shall be open to any student who—

- (i) has been enrolled during the academic year preceding the examination in a College affiliated to the University in the Faculty of Medicine;

- (ii) has passed previously the Third Professional Examination;
- (iii) has his name submitted to the Registrar by the Head of the College in which he is enrolled;
- (iv) produces the following certificates signed by the Head of the College in which he is enrolled :—
 - (1) of good character;
 - (2) of having attended not less than three-quarters of the full courses of lectures delivered in each of the subjects of examination, the minimum number of attendances required being for Medicine including Diseases of Children 75, for Surgery 75, for Diseases of the Eye, Ear, and Throat 38, and for Midwifery and Diseases of Women 53;
 - (3) of having, subsequently to having passed the Second Professional Examination, attended the Medical and Surgical Practice of a hospital connected with the College for a period of two years, and demonstrations and lectures on Clinical Medicine and Clinical Surgery during this period;
 - (4) of having, subsequently to having passed the Second Professional Examination, performed satisfactory Clinical work in the Medical and Surgical wards of a hospital connected with the College for a period of two years;
 - (5) of having, subsequently to having passed the Second Professional Examination, attended for three months the practice of an Eye hospital connected with the College, and a course of Ophthalmic demonstrations;
 - (6) of having, subsequently to having passed the Second Professional Examination, gone through a complete course of Surgical Operations on the Dead-body;
 - (7) of having attended a course of demonstrations on Mental Diseases;
 - (8) of having assisted in the performance of six post-mortem examinations, and of having attended the practical demonstrations in the dead-house for a period of two years; subsequently to having passed the Second Professional Examination;
 - (9) of efficiency in vaccination;
 - (10) of having received practical instruction in the administration of Anaesthetics and of having personally administered an Anaesthetic on at least ten occasions;
 - (11) of having received instruction in the following subjects :—

1. Radiology and Electro-therapeutics.
2. Venereal Diseases.
3. Orthopaedics.
4. Elementary Dentistry;

(12) of having, subsequently to the systematic course of lectures on Midwifery, attended for three months the practice of a recognised Maternity Hospital or Ward during one month of which he has performed the duties of an intern student;

(13) of having attended 20 cases of labour under adequate supervision.

Provided that when a candidate elects to appear only in one Part, the course of lectures required to make him eligible for admission to the examination shall be required only in the subjects of that particular Part.

Provided further that the Syndicate or the determining authority under Regulation 7 of Chapter III shall have power to exclude any candidate from the examination if it is satisfied that such candidate is not a fit person to be admitted thereto.

27. Candidates may present themselves for the whole Final Professional Examination at one time or may take the examination in two parts, *i.e.*, Part A comprising (i) Medicine and Diseases of Children and (ii) Midwifery and Diseases of Women; and Part B comprising (i) Surgery and Operative Surgery and (ii) Diseases of the Eye, Ear, Nose and Throat: Provided that the whole examination shall be completed within a period of nineteen months.

Candidates who have satisfied the examiner in Medicine and Midwifery shall be considered to have passed in Part A, and those who have satisfied the examiners in Surgery and Diseases of the Eye, shall be considered to have passed in Part B of the examination. Candidates who have passed in both Parts A

A student who is only to appear in one Group or one subject of the Final Professional Examination is only required to attend hospital practice in that Group or subject (*Syndicate Proceedings*, dated the 29th October, 1926, paragraph 5).

and B shall be considered to have passed the whole examination :

Provided that the Syndicate or the determining authority under Regulation 7 of Chapter III shall have power to exclude any candidate from the examination if it is satisfied that such candidate is not a fit person to be admitted thereto.

28. Every candidate shall forward his application to the Registrar at least fourteen days before the commencement of the examination, accompanied by a fee of sixty rupees if the examination is taken as a whole, or a fee of forty rupees for each part if the examination is taken in parts. A candidate who fails to pass or present himself for examination shall not be entitled to claim a refund of the fee. A candidate who fails to pass or present himself for examination may, subject to Regulations 26 and 27, be admitted to one or more subsequent examinations on payment of the fee specified above on each occasion, and on producing a certificate proving that he has, subsequent to his last failing, attended a further course of hospital practice and clinical instruction for six months.

29. Every candidate shall be required to take up four subjects as follows :—

(a) For Part A—

Medicine and Diseases of Children.
Midwifery and Diseases of Women.

(b) For Part B—

Surgery and Operative Surgery.
Diseases of the Eye, Ear, Nose and Throat.

Every candidate shall be required to pass in Medicine and Diseases of Children and in Midwifery and Diseases of Women for Part A and in Surgery and Operative Surgery and in Diseases of the Eye, Ear, Nose and Throat for Part B and in the above-mentioned four subjects for the whole examination.

30. The following is the scale of marks allotted to each subject :—

	<i>Marks.</i>
Medicine and Diseases of Children	... 400
Midwifery and Diseases of Women	... 400
Surgery and Operative Surgery	... 400
Diseases of the Eye, Ear, Nose and Throat	... 200

31. In Medicine, in Surgery, in Midwifery and in Diseases of the Eye, Ear, Nose and Throat, no candidate shall be declared to have passed who fails to obtain fifty per cent. of the aggregate marks assigned to each subject of the Final Examination; or who fails to obtain fifty per cent. of the marks assigned to the Clinical Examination; or who fails to obtain forty per cent. of the aggregate of the marks assigned to the Written and Oral Examinations.

A candidate who in any one subject of Parts A and B obtains pass marks in each part of the examination in that subject, and sixty per cent. of the available marks in that subject shall be deemed to have passed in that subject, and will be exempted from re-examination in that subject.

Candidates who have obtained eighty per cent. of the marks in any one subject shall be deemed to have obtained *distinction* in that subject, provided that no candidate who does not pass in all subjects of the examination at one time shall be declared to have passed with *distinction* in any subject.

32. An outline of the tests in each subject is given in Appendix A. This outline can be changed from time to time by the Syndicate, with the approval of the Senate.

33. As soon as possible after the examination, the Registrar shall publish a list of candidates who have passed separately in Part A and Part B and of candidates who have passed the whole examination, arranged in order of merit.

Candidates who have passed the whole examination shall be granted a Diploma.

34. Candidates for the Degree of Bachelor of Medicine and Bachelor of Surgery, who have

completed their curriculum in the minimum period of five years, have passed each of their professional examinations at the first attempt, and have obtained an aggregate of seventy per cent. of the available marks in each subject of examination, shall at the time of graduation be awarded M.B.B.S. degree "with honours".

For 1934.

THE FIRST PROFESSIONAL EXAMINATION.

2. As for 1933.

3. Every candidate shall forward his application to the Registrar at least fourteen days before the commencement of the examination, accompanied by a fee of forty rupees. A candidate who fails to pass or present himself for examination shall not be entitled to claim a refund of the fee.

A candidate who fails to pass or to present himself for examination may, subject to Regulation 2, be admitted to one or more subsequent examinations on payment of a like fee of forty rupees on each occasion, and on presenting a certificate that he has, subsequent to his last failure, attended a course of training in Anatomy and Physiology as the Principal of the College may determine.

4. Every candidate shall be required to take the two subjects of Anatomy and Physiology and pass in both subjects, at one and the same time.

5. As for 1933.

6. The minimum number of marks required to pass this examination shall be fifty per cent. in each subject, both in the written and oral and practical parts of the examination. Candidates who gain eighty per cent. of the marks in any subject shall be declared to have passed "with distinction" in that subject, and that no candidate who does not pass in all the subjects of the First Professional Examination at one and the same

time should be declared to have passed with distinction in any subject.

7, 8, and 9. As for 1933.

THE SECOND PROFESSIONAL EXAMINATION.

10. As for 1933.

11. Every candidate shall forward his application to the Registrar at least fourteen days before the commencement of the examination, accompanied by a fee of forty rupees. A candidate who fails to pass or present himself for examination shall not be entitled to claim a refund of the fee. A candidate who fails to pass or present himself for examination may, subject to Regulation 10, be admitted to one or more subsequent examinations on payment of a like fee of forty rupees on each occasion, and on producing a certificate proving that he has, subsequent to his last failure, pursued such a course of training in that subject or subjects as the Principal of the College may determine.

12 and 13. As for 1933.

14. The minimum number of marks required to pass this examination shall be fifty per cent. in each subject, both in the written and oral and practical portions of the examination. Candidates who gain eighty per cent. of the marks in any subject shall be declared to have passed "with distinction" in that subject, and that no candidate who does not pass in all the subjects of the Second Professional Examination at one and the same time should be declared to have passed with distinction in any subject.

(i) Subject to Regulation 10, a candidate who fails to pass or present himself for examination may be permitted to appear in any subsequent examination on payment of a like fee of forty rupees on each occasion.

A candidate who fails in one subject only but has obtained fifty per cent. of the aggregate marks in the

examination, and not less than forty per cent. of marks in the subject in which he has failed, may be permitted to appear in that subject only at any subsequent examination on payment of the same fee as for the whole examination. If he obtains fifty per cent. of marks in that one subject, both in the written and oral and practical parts of the examination, he shall be deemed to have passed the Second Professional Examination.

Provided that a candidate who comes under Compartment must complete the whole of the examination within a period of thirteen months.

(ii) A candidate who fails to appear or fails to pass in any subject or subjects of the examination, before being permitted to reappear at a subsequent examination, shall produce evidence of having pursued such a course of training in that subject or subjects as the Principal of the College may determine.

(iii) No candidate shall be promoted to a higher year unless he has passed in all the subjects prescribed for the Professional Examination.

15, 16, and 17. As for 1933.

THE THIRD PROFESSIONAL EXAMINATION.

18. As for 1933.

19. Every candidate shall forward his application to the Registrar at least fourteen days before the commencement of the examination, accompanied by a fee of twenty rupees. A candidate who fails to pass or present himself for examination shall not be entitled to claim a refund of the fee. A candidate who fails to pass or present himself for examination may, subject to Regulation 18, be admitted to one or more subsequent examinations on payment of a like fee of twenty rupees on each occasion and on producing a certificate that he has, subsequent to his last failure, attended a course of training in that subject or subjects as the Principal of the College may determine.

23, 24 and 25. As for 1933.

THE FINAL PROFESSIONAL EXAMINATION.
As for 1933.

20 and 21. As for 1933.

22. The minimum number of marks required to pass this examination shall be fifty per cent. in each subject, both in the written and the oral. Candidates who gain eighty per cent. of the marks in any subject shall be declared to have passed "with distinction" in that subject, but no candidate who does not pass in all the subjects of the Third Professional Examination at one and the same time should be declared to have passed with distinction in any subject.

(i) A candidate who fails in one subject only but has obtained fifty per cent. of the aggregate marks in the examination, and not less than forty per cent. of marks in the subject in which he has failed, may be permitted to appear in that subject only at any subsequent examination on payment of the same fee as for the whole examination. If he obtains fifty per cent. of marks in that one subject, both in the written and oral and practical parts of the examination, he shall be deemed to have passed the Third Professional Examination.

Provided that a candidate who comes under Compartment must complete the whole of the examination within a period of thirteen months.

(ii) A candidate who fails to appear or fails to pass in any subject or subjects of the examination, before being permitted to reappear at a subsequent examination, shall produce evidence of having pursued such a course of training in that subject or subjects as the Principal of the College may determine.

SPECIAL M.B.B.S. EXAMINATION.*

35. A Licentiate in Medicine and Surgery of the University of the Panjab, in order to appear in the examination for the Degree of Bachelor of Medicine

* See *Synd. Proc.*, dated the 2nd March, 1917, paragraph 17.

and Bachelor of Surgery, may be admitted to a Special Examination for this purpose, provided he produces the following certificates:—

- (1) of having, subsequently to the systematic course of lectures on Midwifery, attended for three months the practice of a recognised Maternity Hospital or Ward during one month of which he has performed the duties of an intern student;
- (2) of having attended 20 cases of labour under adequate supervision.

Provided further that the Syndicate or the determining authority under Regulation 7 of Chapter III shall have power to exclude any candidate from the examination if it is satisfied that such candidate is not a fit person to be admitted thereto.

36. Every candidate for this special examination shall forward his application to the Registrar at least fourteen days before the commencement of the examination, accompanied by a fee of fifty rupees. A candidate who fails to pass or present himself for examination shall not be entitled to claim a refund of the fee. A candidate who fails to pass or present himself for examination may, subject to Regulation 26, be admitted to one or more subsequent examinations on payment of a full fee of fifty rupees on each occasion.

37. Every candidate shall be required to take up four subjects as follows:—

- (1) Pathology including Parasitology, written, practical and oral, as for the Second Professional Examination.
- (2) Diseases of the Eye, Ear and Throat, written, clinical and oral, as for the Final Professional Examination.
- (3) A Clinical Examination in Medicine, and a Clinical Examination in Surgery, as for the Final Professional Examination.

38. The following is the scale of marks allotted to each subject:—

	Marks.
Pathology including Parasitology ...	300
Diseases of the Eye, Ear and Throat ...	150
Clinical Medicine ...	100
Clinical Surgery ...	100

39. The minimum number of marks required to pass this examination shall be thirty-three per cent. in each subject, both in the written and oral and practical portions of the examination, and fifty per cent. of the aggregate number of marks in any subjects. Provided that the aggregate number of marks of the examination in the subjects already passed and that of the supplementary examination be, together, not less than fifty per cent. of the possible aggregate number of marks in all subjects. Candidates who gain eighty per cent. of the marks in any subject shall be declared to have passed "with honours" in that subject, and that no candidate who does not pass in all the subjects of the Special Final Professional Examination at one and the same time should be declared to have passed *with honours* in any subject.

A candidate who fails in one subject only may be allowed to appear in that subject only in the following year and the year after that, subject to the following conditions:—

- (a) He has obtained not less than twenty-five per cent. in the subject in which he fails and fifty per cent. of the aggregate.
- (b) He must pay the same fee for appearing in the one subject as he would do for appearing in the whole examination.

40. An outline of the tests in each subject is given* in Appendix A. This outline can be changed from time to time by the Syndicate, with the approval of the Senate.

41. As soon as possible after the examination, the Registrar shall publish a list of candidates who have passed, arranged in order of merit.

Each successful candidate shall be granted a Diploma.

APPENDIX A.

OUTLINE OF TESTS.

FIRST PROFESSIONAL EXAMINATION.

I. Anatomy—	<i>Marks.</i>
1. One written paper of three hours	... 150
2. Oral and practical examination	... 150
	<hr/> 300
II. Physiology—	
1. One written paper of three hours	... 150
2. Oral and practical examination	... 150
	<hr/> 300

SECOND PROFESSIONAL EXAMINATION.

I. Materia Medica—	
1. One written paper of three hours	... 150
2. Oral and practical examination	... 150
	<hr/> 300
II. Pathology and Parasitology—	
1. One written paper of three hours	... 150
2. Oral and practical examination	... 150
	<hr/> 300

THIRD PROFESSIONAL EXAMINATION.

I. Forensic Medicine and Toxicology—	
1. One written paper of three hours	... 75
2. Oral examination	... 75
	<hr/> 150
II. Hygiene—	
1. One written paper of three hours	... 75
2. Oral examination	... 75
	<hr/> 150

*FINAL PROFESSIONAL EXAMINATION.

		Marks.
I. Medicine and Diseases of Children—		
(a) One written paper of three hours and an oral examination ...	...	200
(b) A clinical and practical examination	...	200
		<hr/> 400 <hr/>
II. Surgery and Operative Surgery—		
(a) One written paper of three hours and an oral examination ...	...	200
(b) A clinical and practical examination	...	200
		<hr/> 400 <hr/>
III. Midwifery and Diseases of Women—		
(a) One written paper of three hours and an oral examination ...	...	200
(b) A clinical and practical examination	...	200
		<hr/> 400 <hr/>

At the Clinical Examination in Midwifery each candidate will be required to submit to the examiner duly attested records of the work done by the candidate in Practical Midwifery for assessment in the Final Examination.

* In Paper (a), written papers to carry 160 marks and the oral test 40 in each subject, except in Diseases of the Eye, Ear, Nose and Throat where it will be 80 for the written and 20 for the oral (*vide Senate Proc.*, dated 29th May, 1926, para. 2), and in Paper (b), 160 marks to be allotted for the clinical and 40 for the practical portion of the examination in each subject, except in Diseases of the Eye, Ear, Nose and Throat where 80 marks will be for clinical and 20 for the practical (*Senate Proceedings*, dated 25th March, 1927).

For the clinical and practical examinations in Medicine, Surgery, and Diseases of the Eye, Ear, Nose and Throat, two additional examiners to be appointed if the number of candidates exceeds 80 (*Syndicate Proceedings*, dated 4th December, 1925, paragraph 9).

In Medicine and Surgery one of the five questions to be on Medical or Surgical Pathology—the question being compulsory for all candidates (*Syndicate Proceedings*, dated 11th March, 1929, para. 15).

IV. Diseases of the Eye, Ear, Throat and Nose—			Marks
(a) One written paper of three hours and an oral examination			100
(b) A clinical and practical examination			100
			<hr/> 200 <hr/>

SPECIAL FINAL PROFESSIONAL EXAMINATION.

I. Pathology including Parasitology—			
1.	One written paper of three hours	...	200
2.	Oral and practical examination	...	100
			<hr/> 300 <hr/>
II. Diseases of the Eye, Ear and Throat—			
1.	One written paper of three hours	...	100
2.	Oral and clinical examination ..	...	50
			<hr/> 150 <hr/>
III. Medicine—			
	A clinical examination ... ..	...	100
IV. Surgery—			
	A clinical examination in surgery ... ..	...	100

APPENDIX B. (*See Chapter XXI.*)**Courses of Study prescribed by the Senate.**

TRANSITORY PROVISIONS.

These Regulations for the Degrees of Bachelor of Medicine and Bachelor of Surgery shall be read as subject to the following restrictions and modifications:—

(a) The First Professional Examination shall be held for the first time in 1909, the Second Professional

Examination for the first time in 1910, and the Final Professional Examination for the first time in 1911.

(b) The Preliminary Scientific L.M.S. and M.B. Examinations, in accordance with the old regulations, shall be held for the last time in 1907, and for this purpose those regulations shall be deemed to be in force.

(c) Any student who was admitted to the Medical College, Lahore, in October, 1906, shall be admitted to a Special Preliminary Scientific Examination in 1907.

A Special Preliminary Scientific Examination shall also be held in 1908.

This Special Preliminary Scientific Examination of 1907 and 1908 shall be held according to the provisions of clause (k) below.

(d) Any candidate who passes the Special Preliminary Scientific Examination of 1907 or 1908 may be admitted, two academical years after his so passing, to the First Professional Examination, provided that he complies with the requirements of clauses (i), (iii), and (iv) of Regulation 2 of that examination.

(e) Any candidate who fails in the old Preliminary Scientific Examination of 1907 may be admitted to the Special Preliminary Scientific Examination of 1908, provided that he complies with the requirements of sub-clauses (i), (ii) and (iv) of clause (2) of Transitory Regulation (k) below.

(f) Any candidate who fails in the Special Preliminary Scientific Examination of 1908 may be admitted to Intermediate (Science Faculty) Examination of 1909 and 1910. Provided that a candidate so admitted shall be required to pass in Science subjects only, and that on his passing these he shall be granted a certificate of having passed the Intermediate (Science) Examination.

(g) The First L.M.S. and M.B. Examinations in 1907 and 1908 (and in no subsequent year) shall be

held in accordance with the old regulations, which for this purpose shall be deemed to be in force.

(h) Any candidate who fails in the First L.M.S. or M.B. Examination of 1908 may appear at the First Professional M.B.B.S. Examination in 1909 or 1910, provided that he complies with the requirements of clauses (i), (iii), and (iv) of Regulation 2 of that examination: and provided also that he shall not be admitted collectively to the old and new examinations more than three times in all. Provided further that a candidate who fails in the First L.M.S. Examination of 1908, shall, if he attain the standard laid down in the regulations for the First Professional M.B.B.S. Examination, be granted a certificate of having passed the First L.M.S. Examination.

Any candidate who is thus granted in 1909 or 1910 a certificate of having passed the First L.M.S. Examination shall be admitted to the Second Professional and Final Professional Examinations under the same conditions as if he had been granted a certificate of having passed the First Professional Examination; and if he be successful in these two examinations he shall be granted a certificate of having passed the Second L.M.S. Examination.

(i) The Second L.M.S. and M.B. Examinations in 1907, 1908, 1909, and 1910 (and in no subsequent year) shall be held in accordance with the old regulations, which for this purpose shall be deemed to be in force.

(j) Any candidate who fails in the Second L.M.S. or M.B. Examination of 1910 may appear in both the Second and Final Professional Examinations in 1911 or 1912, provided that he complies with the requirements of clauses (i), (iii), and (iv) of Regulations 10 and 18 of those examinations, and provided also that he shall not be admitted collectively to the old and new examinations more than three times in all:

Provided further that a candidate who fails in the Second L.M.S. Examination of 1910 shall, if he attain

the standard laid down for the Second and Final M.B. Examinations, be granted a certificate of having passed the Second L.M.S. Examination.

(k) (1) A Special Preliminary Scientific Examination shall be held in Lahore in 1907 and 1908, beginning in 1907 on the third Monday in June, and in 1908 on the third Monday in March, or in either year on such date as may be fixed by the Syndicate.

(l) Any student who has passed the Intermediate Examination in the Arts Faculty of the Panjab University or (subject to the sanction of the Syndicate) other equivalent examination of any other recognised University, having taken Physics and Chemistry as one of his subjects, shall be permitted to appear in the Intermediate Examination in the Science Faculty of 1909 and of 1910, in Biology, the additional Test in Chemistry, and the practical examination in Physics and Chemistry of the Science Faculty, after one year's study in a College affiliated for these subjects, and if he pass in these subjects, he shall, for the purposes of admission to the First Professional Examination, be regarded as having complied with paragraph 2, sub-section (ii), of the regulations for that examination.

(2) This examination shall be open to any student who—

- (i) has been enrolled during the academical year preceding the examination in a College affiliated to the University for this purpose;
- (ii) has passed not less than one year previously—
 - (1) the Intermediate Examination in the Science Faculty of the Panjab University; *or*
 - (2) the Intermediate Examination in the Arts Faculty of the Panjab University, taking Physics and Chemistry as one subject; *or*
 - (3) (subject to the sanction of the Syndicate) an examination equivalent to either of the above of any other recognised University;
- (iii) has his name submitted to the Registrar by the Head of the College in which he is enrolled:—
 - (1) of good character;

- (2) of having attended not less than three-quarters of the full courses of lectures delivered in, or the periods assigned to practical work in, each of the subjects in which he desires to be examined; the minimum number of attendances required being for Botany 30, for Comparative Anatomy 30, and for Chemistry and Physics 75.

Provided further that the Syndicate or the determining authority under Regulation 7 of Chapter III shall have power to exclude any candidate from the examination if it is satisfied that such candidate is not a fit person to be admitted thereto.

(3) Every candidate shall forward his application to the Registrar at least fourteen days before the date fixed for the commencement of the examination, accompanied by a fee of fifteen rupees. A candidate who fails to pass or present himself for examination shall not be entitled to claim a refund of the fee. A candidate who fails to pass or to present himself for examination in 1907 may, subject to Regulation 2, be admitted to the examination of 1908 on payment of a like fee of fifteen rupees.

(4) Every candidate shall be required to take up four subjects as follows:—

- (1) Botany;
- (2) Comparative Anatomy;
- (3) Chemistry and Physics;
- (4) Practical Chemistry.

Provided that a candidate who has graduated in the Arts or Science Faculty, taking any Science subject or subjects, shall not be required to pass in that subject or subjects in this examination.

(5) The following is the scale of marks allotted to each subject:—

			<i>Marks.</i>
Botany	...	...	150
Comparative Anatomy	...	...	150
Chemistry and Physics	...	...	200
Practical Chemistry	...	...	100

(6) The minimum number of marks required to pass this examination shall be thirty-three per cent.

in each subject, both in the written and in the oral and practical parts of the examination.

Candidates who gain eighty per cent. of the marks in any subject shall be declared to have passed "with honours" in that subject.

(7) An outline of the tests in each subject is given in Appendix A. This outline can be changed from time to time by the Syndicate, with the approval of the Senate.

(8) The Courses of Study prescribed by the Senate are specified in the Syllabus laid down in Appendix B.

(9) As soon as possible after the examination, the Registrar shall publish a list of the candidates who have passed, arranged in order of merit.

Each successful candidate shall be granted a certificate.

DOCTOR OF MEDICINE (M.D.).

1. An examination for the Degree of Doctor of Medicine shall be held annually in Lahore, in October or at such time as the Syndicate may determine.

2. Every candidate for admission to this examination shall be required to produce certificates—

(a) of being a Bachelor of Medicine and Bachelor of Surgery of this University;

or,

in the case of Licentiate of Medicine and Surgery of this University, of having passed the Special Examination for the Degree of Bachelor of Medicine and Bachelor of Surgery;

(b) of having, subsequently to graduation, completed four years' continuous medical practice; or three years' post-graduate attendance at a hospital recognised by the University for the purpose; or two years' post-graduate attendance at a hospital recognised by the University for the purpose, provided the candidate has passed the Final M.B.B.S. Examination "with honours" in Medicine;

Four years' continuous medical practice subsequent to passing the L.M.S. Examination;

(c) of good moral and professional character, approved by the Medical Faculty.

3. Every candidate shall forward his application to the Registrar at least fourteen days before the date fixed for the commencement of the examination, accompanied by a fee of two hundred rupees. A candidate who fails to pass or present himself for examination shall not be entitled to claim a refund of the fee; but a candidate may be admitted to one or more subsequent examinations on payment of a like fee of two hundred rupees on each occasion.

4. The subjects of examination shall be:—

Medicine, including Mental Diseases;
Pathology.

5. The examination shall be written as well as oral, practical and clinical.

6. The examination shall be conducted by a Board, consisting of a President and two members, nominated by the Syndicate on the recommendation of the Medical Faculty.

7. The Board shall determine, in consultation, all details of the examination.

8. As soon as possible after the examination, the Board shall report to the Registrar for publication the result of the examination. Successful candidates shall be arranged into two lists—

(a) Pass—ordinary.

(b) Pass—with distinction.

9. Each successful candidate shall be granted a Diploma.

MASTER OF SURGERY (M.S.).

1. An examination for the Degree of Master of Surgery in three branches as given in Regulation 4 below shall be held annually in Lahore in October or at such time as the Syndicate may determine.

2. Every candidate for admission to this examination shall be required to produce certificates:—

(a) of being a Bachelor of Medicine and Bachelor of Surgery of this University;

or,

in the case of Licentiate of Medicine and Surgery of this University, of having passed the Special Examination for the Degree of Bachelor of Medicine and Bachelor of Surgery;

(b) of having, subsequently to graduation, completed—

Four years' continuous surgical practice; *or*

Three years' post-graduate attendance at a hospital recognised by the University for the purpose; *or*

Two years' post-graduate attendance at a hospital recognised by the University for the purpose, provided the candidate has passed the Final M.B.B.S. Examination "with honours" in Surgery;

or,

Four years' continuous medical practice subsequent to passing the L.M.S. Examination;

(c) of good moral and professional character, approved by the Medical Faculty.

3. Every candidate shall forward his application to the Registrar at least one month before the date fixed for the commencement of the examination, accompanied by a fee of two hundred rupees. A candidate who fails to pass or present himself for examination shall not be entitled to claim a refund of the fee; but a candidate may be admitted to one or more subsequent examinations on payment of a like fee of two hundred rupees on each occasion.

4. The subjects of examination for the three branches of the Degree of Master of Surgery shall be:—

I.—For M.S. in General Surgery including Gynæcology—

- (1) Two papers in Surgery and Gynæcology, one of which may be a case for commentary, or an essay on one or two subjects selected from General Surgery and Gynæcology.
- (2) One paper in Surgical Pathology.
- (3) One paper in Surgical Anatomy.
- (4) A Clinical Examination.
- (5) Operations on the dead body.
- (6) An Oral Examination.

II.—For M.S. in Ophthalmology—

- (1) One paper in General Surgery.
- (2) One paper in Ophthalmology.
- (3) One paper in the anatomy and physiology of the Eye including physiological optics.
- (4) One paper in the pathology of the Eye.
- (5) A Clinical Examination.
- (6) An Oral Examination.

III.—For M.S. in Laryngology, Otology and Rhinology—

- (1) As (1) in II. Ophthalmology.
- (2) One paper in Laryngology, Otology and Rhinology.
- (3) One paper in the anatomy and physiology of the Ear, Nose and Throat.
- (4) One paper in the pathology of the Ear, Nose and Throat.
- (5) A Clinical Examination.
- (6) An Oral Examination.

5. A candidate for the M.S. Degree may forward to the Registrar of the University not less than one month before the commencement of the examination, together with his application and entrance fee, a thesis embodying the result of his own independent research and having definite relation to General Surgery and Gynæcology (Branch I), Ophthalmology (Branch II), or Laryngology, Otology and Rhinology (Branch III).

The candidate shall indicate in what respect his thesis appears to him to advance surgical knowledge or practice.

If the thesis is judged of sufficient excellence by the examiners the candidate may be exempted from a part or from the whole of the written examination,

but in all cases he shall be submitted to the Clinical, Practical and Oral Examinations above referred to.

A thesis submitted for the M.S. Degree shall be satisfactory as regards literary presentation as well as in other respects and shall be submitted in a form suitable for publication.

5-A. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay additional fee of Rs. 5. Provided that such application shall only be entertained up to four weeks before the commencement of the examination.

6. The examination shall be conducted by a Board, consisting of a President and two Members, nominated by the Syndicate on the recommendation of the Medical Faculty.

7. The Board shall determine, in consultation, all details of the examination.

8. As soon as possible after the examination, the Board shall report to the Registrar for publication the result of the examination. Successful candidates shall be arranged into two lists—

- (a) Pass—ordinary.
- (b) Pass—with distinction.

9. Each successful candidate shall be granted a Diploma.

(vi) FACULTY OF AGRICULTURE.

REGULATIONS FOR THE DEGREE OF BACHELOR OF SCIENCE IN AGRICULTURE.

B.Sc. (AGRICULTURE).

1. An examination for the Degree of Bachelor of Science in Agriculture shall be held annually at such

places* as may be appointed by the Syndicate, beginning on the 1st May, or on such other date as may be fixed by the Syndicate. The examination shall consist of two parts, entitled respectively the First and the Final Examination in Agriculture.

THE FIRST EXAMINATION IN AGRICULTURE.

2. This examination shall be open to any student who—

- (1) has been enrolled during the two academic years preceding the examination in a College affiliated to the University in the Faculty of Agriculture;
- (2) has passed not less than two academical years previously the Matriculation Examination of the University of the Panjab (in either the Arts or the Science Faculty) or (with the sanction of the Syndicate) the Matriculation Examination of any other recognised University, or any other examination accepted by the University for the purposes of Matriculation;
- (3) has his name submitted to the Registrar by the Head of the College in which he is enrolled;
- (4) produces the following certificates signed by the Head of his College:—
 - (i) of good character;
 - (ii) of having attended not less than three-quarters of the full courses of lectures delivered in each of the subjects of the examination;
 - † (iii) of having attended not less than three-quarters of the periods devoted to practical instruction (the minimum number of attendances required being 150 for Agriculture, and 40 for each of the Sciences: Chemistry, Physics, Botany, and Elementary Zoology and Entomology. An attendance of not less than two hours to count as one;
 - (iv) in the case of a candidate intending to appear in Military Science, of having attended not less than two-thirds of the total number of parades held or fifty parades in two years, whichever is greater: each day in camp to count as one parade.

* Lahore or Lyallpur.

† No minimum is fixed for the failed candidates (*Syndicate Proceedings*, dated the 22nd April, 1932).

A deficiency in the number of lectures and in the periods devoted to practical instruction may be condoned for very special reasons under Regulation 7 of Chapter III.

Provided that the Syndicate or the determining authority under Regulation 7 of Chapter III shall have power to exclude any candidate from the examination, if it is satisfied that such candidate is not a fit person to be admitted thereto.

3. Every candidate shall forward his application to the Registrar at least eight weeks before the commencement of the examination accompanied by a fee of thirty rupees. A candidate who fails to pass or to present himself for examination shall not be entitled to a refund of fee, but he may be admitted to one or more subsequent examinations on payment of a like fee of thirty rupees on each occasion.

3-A. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay additional fee of Rs. 5. Provided that such application shall only be entertained up to four weeks before the commencement of the examination.

4. Every candidate shall be examined in the following subjects :—

- (i) Agriculture.
- (ii) Physics and Chemistry.
- (iii) Botany and Anatomy and Physiology of Domestic Animals.
- (iv) Mathematics with Land Surveying.
- (v) English.

Any candidate, who is a member of the Panjab University Training Corps and has attended the prescribed number of the parades held, shall have the option of taking Military Science as an additional optional subject.

5. An outline of the tests in each subject with the number of marks assigned to each is given in Appendix A.

This outline may be changed from time to time by the Syndicate with the approval of the Senate.

6. The Courses of Study prescribed by the Senate are specified in the Syllabus laid down in Appendix B.

This Syllabus may be modified from time to time by the Syndicate with the approval of the Senate.

7. The minimum number of marks required to pass this examination shall be as under:—

- (a) Forty per cent. in the aggregate and in the written portion in the subject of Agriculture.
- (b) Thirty-three per cent. in the practical portion in the subject of Agriculture and thirty-three per cent. in the written portion of the remaining subjects.
- (c) Twenty-five per cent. in the practical portion in subjects other than Agriculture.

The prescribed percentage shall be required separately in the written and the practical portion of the subject.

A candidate shall receive no credit for marks obtained in the subject of Military Science unless he obtains thirty-three per cent., in which case these marks shall not be added to the total but a separate certificate to the effect that he has qualified himself in the subject of Military Science in the First Examination in Agriculture shall be granted.

Candidates who gain sixty-five per cent. or more of the aggregate marks shall be placed in the first class. Those who gain not less than fifty per cent. in the second class, and those who pass with less than fifty per cent. in the third class. Any student who has obtained forty-five per cent. of the aggregate number of marks but has failed in one subject only obtaining not less than twenty-five per cent. in that subject shall be admitted to an examination in that subject only about the end of September of the same year or if he fail to pass or present himself for the examination,

then at the next University examination on payment of a fee of thirty rupees and if he pass in that subject in either of these examinations, he should be deemed to have passed the First Examination in Agriculture. Provided that this concession shall be allowed only to such as continue to read in a College and that candidates to whom the concession is granted shall be allowed to read for the Degree of Bachelor of Science (Agriculture). Provided also that such candidates as pass under the Regulation shall be ineligible for a scholarship.

The candidate shall ordinarily forward his application to the Registrar at least eight weeks before the commencement of the examination, accompanied by the prescribed fee. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay additional fee of Rs. 5. Provided that such application shall only be entertained up to four weeks before the commencement of the examination.

8. As soon as possible after the examination the Registrar shall publish a list of candidates who have passed. Each successful candidate shall be granted a certificate.

9. A student who has passed this examination may appear in the Intermediate in Arts Examination in a classical language only, and on obtaining pass marks in that subject be granted a certificate to that effect, on payment of Rs. 5.

10. A student who has passed this examination may, on payment of Rs. 5, appear in the optional paper in French or German for the Intermediate Examination, and on obtaining pass marks in that subject be granted a certificate to that effect.

THE FINAL EXAMINATION IN AGRICULTURE.

11. This examination shall consist of two parts to be called Part I and Part II of the Final Examina-

tion in Agriculture, and shall be open to any student who—

- (1) has been enrolled, during the academic year preceding the examination for Part I of the Final Examination in Agriculture, and two academic years preceding the examination for Part II of the Final Examination in Agriculture, in a College affiliated to the University in the Faculty of Agriculture;
- * (2) in case of Part I of the Final Examination in Agriculture, has passed not less than one academic year previously the First Examination in Agriculture, or the Bachelor of Science Examination of the University of the Panjab and who has taken Physics, Chemistry and Biology for the Intermediate Examination in the Faculty of Science, and in case of Part II of the Final Examination in Agriculture has passed not less than one academic year previously the Part I of the Final Examination in Agriculture;
- (3) has his name submitted to the Registrar by the Head of the College in which he is enrolled;
- (4) produces the following certificates signed by the Head of his College:—
 - (i) of good character;
 - (ii) of having attended not less than three-quarters of the full courses of lectures delivered in each of the subjects of examination;
 - (iii) of having attended not less than three-quarters of the periods devoted to practical instruction;
 - (iv) of having attained a sufficient standard of merit in examinations held by the College, in the subjects hereafter described as *qualifying*;
 - (v) in the case of a candidate intending to appear in Military Science, of having attended not less than two-thirds of the total number of parades held or fifty parades in two years, whichever is greater: each day in camp to count as one parade.

A deficiency in the number of lectures and in the periods devoted to practical instruction may be condoned for very special reasons under Regulation 7 of Chapter III.

* The Intermediate Examination in Agriculture conducted by the Board of High School and Intermediate Education of the United Provinces has been recognised as equivalent to the First Examination in Agriculture of this University (*Syndicate Proceedings*, dated the 25th November, 1932).

Provided that the Syndicate or the determining authority under Regulation 7 of Chapter III shall have power to exclude any candidate from the examination, if it is satisfied that such candidate is not a fit person to be admitted thereto.

12. Every candidate shall forward his application to the Registrar at least eight weeks before the commencement of the examination accompanied by a fee of twenty rupees for Part I of the Final Examination in Agriculture and a fee of rupees seven and annas eight for the subsidiary subject, and twenty-five rupees for Part II of the Final Examination in Agriculture and a fee of rupees seven and annas eight for the subsidiary subject. A candidate who fails to pass or to present himself for examination shall not be entitled to a refund of the fee, but he may be admitted to one or more subsequent examinations on payment of a like fee on each occasion.

13. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay additional fee of Rs. 5. Provided that such application shall only be entertained up to four weeks before the commencement of the examination.

14. The subjects of the examination shall comprise English, two *principal* subjects and two *subsidiary* subjects.

Every candidate shall be examined in—

(i) English.

(ii) Two principal subjects which may be any two of the following:—

(a) Agriculture and Economics.

(b) Chemistry and Agricultural Chemistry.

(c) Botany and Applied Botany.

(d) Agricultural Zoology-Entomology.

(iii) The remaining two of the above (ii) as the two subsidiary subjects.

One written paper and the connected practical, of each of the two principal subjects, and of one subsidiary subject shall form Part I of the Final Examination in Agriculture. English and the remaining portions of the two principal subjects both written and practical and of the second subsidiary subject shall form Part II of the examination.

*Any candidate, who is a member of the Panjab University Training Corps and has attended the prescribed number of the parades held, shall have the option of taking Military Science as an additional optional subject along with Part II of the Final Examination in Agriculture.

15. The qualifying subjects mentioned in 11 (iv) above shall be—

- (i) Agricultural Engineering.
- (ii) Elementary Veterinary Science.

16. An outline of the tests in each subject with the number of marks assigned to each is given in Appendix A. This outline may be changed from time to time by the Syndicate with the approval of the Senate.

17. The Courses of Study prescribed by the Senate are specified in the Syllabus laid down in Appendix B. This Syllabus may be modified from time to time by the Syndicate with the approval of the Senate.

†18. The minimum number of marks required to pass this examination shall be forty per cent. in each subject both in the written and practical portions of the examination, and forty-five per cent. in the aggregate.

In the case of Additional paper in Military Science the minimum number of marks required to pass the

* It is not necessary for the candidate to have qualified himself in Military Science as additional subject in the First Examination in Agriculture.

† A candidate, who has already passed the examination in the subsidiary subject under the old regulations, shall be deemed to have passed in that subject for the Final Examination in Agriculture, Part I or Part II, under the new regulations (*Syndicate Proceedings*, dated the 25th November, 1932).

examination shall be forty per cent. This percentage shall be required separately in both the practical and written examinations. A candidate shall receive no credit for the marks obtained in this subject unless he obtains forty per cent. in which case these marks shall not be added to the total but a separate certificate to the effect that he has qualified himself in the subject of Military Science in the Final Examination in Agriculture shall be granted.

Candidates who gain sixty-five per cent. or more in the aggregate shall be placed in the first division; those who gain not less than fifty per cent. in the second division; and all below in the third division.

*Any student who has obtained forty-five per cent. of the aggregate number of marks in either the Part I or Part II of the Final Examination in Agriculture as the case may be, but has failed in one subject only, obtaining not less than twenty-five per cent. of the marks in that subject, shall be admitted to an examination in that subject only about the end of September of the same year, or, if he fail to pass or present himself for the examination then, at the next University Examination on payment of a fee of twenty rupees in the case of Part I or twenty-five rupees in the case of Part II on each occasion; and if he pass in that subject in either of these examinations he shall be deemed to have passed the examination.

The candidate shall ordinarily forward his application to the Registrar at least eight weeks before the commencement of the examination, accompanied by the prescribed fee. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay additional fee of Rs. 5. Provided that such applica-

* The candidates placed in the compartment are allowed to have two chances and those taking the second chance are permitted to take this chance with the Part I or Part II Examination as the case may be (*vide* paragraph 9 of the *Syndicate Proceedings*, dated the 4th March, 1932).

tion shall only be entertained up to four weeks before the commencement of the examination :

Provided that this concession shall be allowed only to such as continue to read in the College, and attend at least two-thirds of the lectures delivered in the one subject during the year preceding their re-appearance :

Provided also, that such candidates as pass under the Regulation shall be ineligible for a scholarship.

19. As soon as possible after the examination the Registrar shall publish a list of the candidates who have passed the examination.

Each successful candidate shall receive with his degree a certificate stating the division in which he has passed.

20. A student who has passed this examination may appear in the Intermediate in Arts or the Bachelor of Arts Examination in a Classical language only, and on obtaining pass marks in that subject be granted a certificate to that effect, on payment of Rs. 10. A candidate may elect to appear in the B.A. Examination in this subject without having previously taken the Intermediate Examination in the subject.

21. Candidates appearing in this examination under the regulations in force in the year 1932 and failing therein, shall be examined in the year 1933 under the regulations in force in 1932.

22. A candidate who has either passed this examination or is eligible to appear in one subject only in this examination may appear in any subsequent examination in any of the principal subjects in which he did not qualify as such in any previous examination, provided he has gone through the qualifying course of instruction and has paid an examination fee of Rs. 15 for each subject. On obtaining the pass marks in that subject the candidate will be granted a certificate to that effect.

APPENDIX A.**OUTLINE OF TESTS.****FIRST EXAMINATION IN AGRICULTURE.**

I. Agriculture—		Marks.
1. Two written papers of three hours each—		
<i>Paper (a)</i> History and scope of Agriculture, Meteorology, Elementary Agricultural Geology, Soils, Water in soils (irrigation drainage), Soil management	... ..	75
<i>Paper (b)</i> Plant food, manures, crops, rotation, statistics	... ..	75
2. Practical Examination	... ..	150
		<hr/>
		300
		<hr/>
II. Physics and Chemistry—		
1. <i>Paper (a)</i> Chemistry	... ..	50
2. <i>Paper (b)</i> Physics	... ..	50
3. Practical Physics and Chemistry	... ..	50
		<hr/>
		150
III. Botany and Anatomy and Physiology of Domestic Animals—		
		Marks.
1. <i>Paper (a)</i> Botany	... ..	50
2. <i>Paper (b)</i> Anatomy and Physiology of Domestic Animals	... ..	50
3. Practical	... ..	50
		<hr/>
		150
		<hr/>
IV. Mathematics and Land Surveying—		
1. <i>Paper (a)</i> Mathematics (three hours)	... ..	75
2. <i>Paper (b)</i> (three hours)	... ..	25
		<hr/>
		100

V. English—				Marks
1. Two written papers of three hours each—				
	*Paper (a)	Translation and Composition ...		50
	Paper (b)	Short essays and questions on the subject-matter of the books prescribed ...		50
				<hr/> 100 <hr/>
TOTAL			...	800
				<hr/>
VI. Military Science—				
	Practical test	...	...	50

APPENDIX A (2).

OUTLINE OF TESTS.

B.SC. EXAMINATION IN AGRICULTURE.

PART I.

PRINCIPAL SUBJECTS.

(Two only to be taken.)

(i) Agriculture and Economics.—				Marks
Agriculture—				
One Paper of three hours.				
	Paper—	Domestic animals, management of stock breeding (feeding and housing), stock breeding, dairying ...		100
	Practical	... ..		50
				<hr/> 150 <hr/>

* Sindhi recognised as Vernacular for Sindhi students for purposes of translating a piece into English from a vernacular (*Synd. Proc.*, 17-11-22, para. 21).

(ii) Chemistry and Agricultural Chemistry.—

One Paper of three hours.

Marks.

<i>Paper</i> —Organic and Physical Chemistry	..	100
Practical	... ..	50

 150

(iii) Botany and Applied Botany.—

One Paper of three hours.

<i>Paper</i> —Cryptogams and Phanerogams, Plant Physiology and Ecology	...	100
Practical	... ..	50

 150

(iv) Agricultural Zoology-Entomology.—

One Paper of three hours.

<i>Paper</i> —Morphology, Development and classi- fication of groups of Agricultural importance	... ..	100
Practical	... ..	50

 150

SUBSIDIARY SUBJECTS.

(Only one to be taken out of the following.)

1. Agriculture and Economics.
2. Chemistry and Agricultural Chemistry.
3. Botany and Applied Botany.
4. Agricultural Zoology-Entomology.

One Paper of three hours	...	100
Practical	... ..	50

 150

PART II.

PRINCIPAL SUBJECTS.

(Only two to be taken and they must be the same subjects as taken for Part I.)

(i) Agriculture and Economics.—

Two papers of three hours each. *Marks.*

<i>Paper (a)</i> —Farm management and equipment, Agricultural book-keeping, Agri- cultural experiments and De- monstrations	100
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<i>Paper (b)</i> —Elementary Economics and Agri- cultural Economics	75
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Practical Agriculture	75
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250

(ii) Chemistry and Agricultural Chemistry.—

One Paper of three hours.

<i>Paper</i> —Agricultural Chemistry .. .	100
Practical	50

150

(iii) Botany and Applied Botany.—

One Paper of three hours.

<i>Paper</i> —Genetics, Crop improvements, Horti- culture and Mycology	100
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Practical	50
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150

(iv) Agricultural Zoology-Entomology.—

One Paper of three hours.

<i>Paper</i> —Agricultural Zoology and Applied Entomology	100
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Practical	50
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150

English.—	Marks
Two written papers of three hours each.	
<i>Paper (a)</i> —Translation and Essay ...	75
<i>Paper (b)</i> —Short Essays and questions on the subject matter of the books pre- scribed ...	75
	<hr/> 150 <hr/>

SUBSIDIARY SUBJECTS.

(Only one subsidiary subject to be taken and it must be a subject other than those taken as the principal subjects and as a subsidiary subject for Part I [see list under Part I].)

	Marks
One Paper of three hours ...	100
Practical ...	50
	<hr/> 150 <hr/>
Military Science.—	
One written paper ...	25
Practical ...	25
	<hr/> 50 <hr/>

Courses of Reading. See Appendix B.

M.Sc. EXAMINATION IN AGRICULTURE.

1. An examination for the Degree of Master of Science in Agriculture (M.Sc. Ag.) shall be held annually beginning on the third Monday in August or such other date as may be fixed by the Syndicate.

2. The examination shall be open to any candidate who—

(i) has not less than two years previously passed—

(a) the examination of Bachelor of Science in the Faculty of Agriculture of the University of the Panjab and has complied with the conditions laid down in Regulation 5 (a) or (b) of this chapter;

(b) or, the examination for the Degree of Bachelor of Science with Honours in Chemistry, Botany or Zoology of the University of the Panjab or the Master of Science Examination in one of those subjects and has passed the examination consisting of written papers and practical examination in the subject of Agriculture for the First Examination in Agriculture and concurrently or *subsequently either paper (a) or paper (b) in Agriculture as the principal subject for the Final Examination for the B.Sc. (Ag.) Degree, (the particular paper to be taken shall be determined by the Board of Studies at the time when permission to submit research work is given under Regulation 5) ;

(ii) has his name submitted to the Registrar by the Head of a College affiliated for this degree ;

(iii) produces the following certificates signed by the teacher approved by the Board of Studies in Agriculture under Regulation 3:—

(1) of good character ;

(2) to the effect that the work upon the subject of his thesis is the candidate's *bona fide* work and conducted under the supervision of the aforesaid teacher or that he is a private candidate who is admitted under Regulation XI by the special order of the Senate.

3. The examination for the Degree of M.Sc. (Ag.) shall consist of a thesis, presenting the results of an original research in some science applied to Agriculture which has been conducted under the direction of a teacher approved by the Board of Studies in Agriculture, and oral and practical tests connected with the thesis.

4. The subjects in which research may be permitted are the following:—

(1) Agriculture,

(2) Chemistry,

(3) Botany,

(4) Zoology and Entomology,

and such others as may be added from time to time.

* For this purpose, candidates can appear in the supplementary examination held for the examinations in the Faculty of Agriculture (paragraph 4 of the *Syndicate Proceedings*, dated the 9th October, 1931).

5. Candidates shall, not less than 18 months before the date at which they intend to appear for the examination, apply to the Convener, Board of Studies in Agriculture, for permission to submit research work on the subject they select.

Permission shall only be granted by the Board of Studies in Agriculture if the candidate possesses one of the following qualifications:—

- (a) has passed the Bachelor of Science Examination in the Faculty of Agriculture of the Panjab University, and taken as a principal subject, the subject in which he wishes to be examined for the Master's Degree; or
- (b) has passed the Bachelor of Science Examination in the Faculty of Agriculture but has not taken as a principal subject that subject in which he wishes to be examined for the Master's Degree, provided he produces evidence of his competence, to the satisfaction of the Board of Studies in Agriculture, to carry on research and has been engaged in research in that subject for not less than one academic year under a teacher approved by the Board of Studies;
- (c) has passed the examination for the degree of Bachelor of Science with Honours in Chemistry, Botany or Zoology or the Master of Science Examination in one of those subjects of the Panjab University, provided that he is attending the necessary courses as required by Regulation 2 (i) (b).

6. Candidates who have been permitted to undertake research under Regulation (5), must, not less than six months before the date of the examination, forward a fee of seventy-five rupees or in the case of private candidates eighty rupees to the Registrar and apply for permission to appear in the examination, whereupon the Registrar will move the Board of Studies to recommend examiners who after appointment will inform the Board of Studies of the number and nature of the tests which will be demanded. If these tests are approved, the Board of Studies will then inform the candidate.

7. The examination shall be conducted by a Board consisting of the approved teacher under whom the research has been conducted and one other. Of the

two examiners one must be on the staff of the Agricultural College, Lyallpur.

*8. The minimum number of marks required to pass this examination shall be *forty-five* per cent.

9. Candidates who gain *sixty-five* per cent. or more of the aggregate marks shall be placed in the first class; those who gain not less than *fifty-five* per cent. in the second class; and all below, in the third class.

10. Candidates who appear in the examinations referred to in Regulation 2 (i) (b) shall pay an additional fee of Rs. 20 on each occasion but if, prior to appearing in the M.Sc. Examination, they fail in those examinations the fee which they have paid for appearing in the M.Sc. Examination shall be held over until the next year.

Candidates who fail to pass or present themselves for examinations referred to above shall not be entitled to claim a refund of fees, but they may be admitted to one or more subsequent examinations on payment of the same fee.

11. Four weeks after the commencement of the examination, or as soon as is possible, the Registrar shall publish a list of the candidates who have passed, arranged in three divisions, the first and second being in order of merit. Each successful candidate shall receive with his degree a certificate, stating the division in which he has passed.

APPENDIX A.

OUTLINE OF TESTS.

M.Sc. EXAMINATION IN AGRICULTURE.

The examination shall consist of :—

Marks.

(i) The Thesis	} 100
(ii) The oral and practical test connected with the thesis	...	...	...
	

* The total number of marks assigned to the examination is 100.

(vii) FACULTY OF COMMERCE.

EXAMINATION FOR THE DEGREE OF
BACHELOR OF COMMERCE.

1. An examination for the Degree of Bachelor of Commerce shall be held annually in Lahore on the first of May or on such other date as may be fixed by the Syndicate.

2 The examination shall be open to:—

(a) any student who—

(i) has been enrolled in any College affiliated to the University of the Panjab in the Faculty of Commerce during the three academical years preceding the examination.

(The Syndicate may condone a deficiency in this period for special reasons);

(ii) has passed not less than three academical years previously the Intermediate Examination in either the Arts or Science Faculty of the University of the Panjab or of the University of Delhi, or, if a resident of the Panjab, the Intermediate Examination in either the Arts or Science Faculty of the Aligarh Muslim University or of the Benares Hindu University;

(iii) has his name submitted to the Registrar by the Head of the College he has most recently attended;

(iv) produces the following certificates signed by the Head of the College he has most recently attended:—

(1) of good character,

(2) of having attended not less than two-thirds of the full courses of lectures delivered in each of the subjects in

which he desires to be examined. (A deficiency in the number of lectures may be condoned for very special reasons under Regulation 7 of Chapter III).

- (b) A student who having attended the prescribed number of lectures in a College affiliated in the Faculty of Commerce does not appear at the examination for sufficient cause, or having appeared at the examination has failed, may be allowed to appear at the next examination and the one after the next without attending a fresh course of lectures.

Provided that the Syndicate or the determining authority under Regulation 7 of Chapter III shall have power to exclude any candidate from the examination, if it is satisfied that such candidate is not a fit person to be admitted thereto.

3. Every candidate shall forward his application to the Registrar, at least six weeks before the commencement of the examination, accompanied by a fee of thirty-five rupees and a statement showing the subjects in which he desires to be examined. A candidate who fails to pass or to present himself for examination shall not be entitled to claim a refund of the fee.

4. Whenever the application or fee of the candidate is received more than three days after the last date prescribed above, he shall pay an additional fee of Rs. 5.

Provided that such application shall only be entertained up to four weeks before the commencement of the examination.

5. English shall be the medium of examination in all subjects.

6. Every candidate shall be required to take up the following subjects:—

Fixed Subjects.

- I. Commercial Law and Accountancy.
- II. Organisation of Industry and Commerce, Currency and Banking.
- III. Modern Economic Development.

Elective Subjects.

One of the following :—

1. Advanced Accountancy and Auditing, or
2. Advanced Banking, Currency and Public Finance, or
3. Economics of Inland Transport and Traffic Finance.

In addition to the above subjects there shall be an additional optional paper in Shorthand carrying fifty marks, which may be taken up by a candidate at the end of the second year. A candidate who fails to satisfy the examiner in this paper at the end of the second year shall have an opportunity of qualifying in this paper about September of the same year and if unsuccessful then shall have a further opportunity of satisfying the examiner at the end of the third year along with his other subjects for the examination for the Degree of Bachelor of Commerce. A candidate appearing in this optional paper shall pay a fee of rupees ten on each occasion. The minimum speed for a pass in this subject shall be 80 words per minute. A candidate who attains the minimum speed shall be deemed to have qualified in the subject and the actual speed shown by him shall be stated on the certificate to be granted to him.

7. The minimum number of marks required to pass this examination shall be forty per cent. in each subject.

There shall be a preliminary examination in English at the end of the second year. Candidates who fail to satisfy the examiners in this preliminary examination shall have an opportunity of qualifying in this subject about September of the same year and if unsuccessful then shall have a further opportunity of satisfying the examiners at the end of the third year

along with their other subjects for the examination for the Degree of Bachelor of Commerce. Candidates appearing in the preliminary examination shall pay a fee of rupees ten on each occasion.

Candidates who fail in the preliminary examination in English when taken with the examination for the Degree of Bachelor of Commerce shall be considered to have failed in the whole examination even though they may have passed in other subjects.

8. Candidates who gain sixty-five per cent. of the aggregate number of marks or more in the pass papers shall be placed in the first division, those who gain not less than fifty per cent. in the second division and all below in the third division.

Any student who has obtained forty-five per cent. of the aggregate number of marks but has failed in one subject only, obtaining not less than twenty-five per cent. of the marks in that subject, may be admitted to an examination in that subject only at a special supplementary examination to be held about the end of September of the same year, or if he fail to pass or present himself for the examination then at the next annual examination on payment of the same fee as for the whole examination on each occasion, and if he pass in that subject in either of those years he shall be deemed to have passed the examination for the Degree of Bachelor of Commerce.

Provided that no candidate who passes under this Regulation shall be eligible for Medals, Scholarships or Honours.

9. An outline of the tests in each subject is given in Appendix A. This outline can be changed from time to time by the Syndicate with the approval of the Senate.

10. The Courses of Reading prescribed by the Senate are specified in Appendix B. In cases where text-books are prescribed the candidates will be required not only to show a thorough knowledge of the text-books, but also to answer questions of a similar

standard set with a view of testing their general knowledge of the subject. Courses of Reading can be changed from time to time by the Syndicate with the approval of the Senate, such changes being always duly notified at least two years before the date of the examination in which they will take effect.

11. Four weeks after the commencement of the examination, or as soon thereafter as is possible, the Registrar shall publish a list of the candidates who have passed, arranged in three divisions, the first and second being in order of merit. Each successful candidate shall receive with his degree a certificate, stating the division in which he has passed.

APPENDIX A.

FIXED SUBJECTS.

I. Commercial Law and Accountancy—			
Two written papers of three hours each—			<i>Marks</i>
<i>Paper (a)</i> Commercial Law	...	...	100
<i>Paper (b)</i> Accountancy	...	...	100
			<hr/> 200
II. Organisation of Industry and Commerce, Currency and Banking—			
Two written papers of three hours each—			
(a) Currency and Banking	...	...	100
(b) Organisation of Industry and Commerce	...	...	100
			<hr/> 200
III. Modern Economic Development—			
Two papers of three hours each—			
(a) India with special reference to the Panjab	...	...	100
* (b) Great Britain and Japan	...	...	100
			<hr/> 200

* Questions on Great Britain to carry 70 marks and on Japan 30 marks.

ELECTIVE SUBJECTS.

Marks.

One of the following:—

1. Advanced Accountancy and Auditing—

Two papers of three hours each—

(a) Advanced Accountancy	...	...	100
(b) Auditing	...	...	100
			<hr/> 200

Or,

2. Advanced Banking, Currency and Public Finance—

Two papers of three hours each—

(a) Advanced Banking and Currency	...	...	100
(b) Public Finance	...	...	100
			<hr/> 200

Or,

3. Economics of Inland Transport and Traffic Finance—

Two papers of three hours each—

(a) Economics of Inland Transport	...	...	100
(b) Traffic Finance	100
			<hr/> 200

OPTIONAL SUBJECT.

Additional optional paper in speed Shorthand	...	50
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(viii) FACULTY OF ENGINEERING.

THE FIRST EXAMINATION IN ENGINEERING.

1. The First Examination in Engineering shall be held annually at Lahore in the month of June or on such other date as may be fixed by the Syndicate.

2. The examination shall be open to—

(a) any College student who—

(i) has been enrolled in a College affiliated to the University in the Faculty of Engineering during one academical year preceding the examination.

(The Syndicate may condone a deficiency in this period for special reasons);

(ii) has passed not less than one academical year previously the Intermediate Examination in the Faculty of Science or the Intermediate Examination in the Faculty of Arts with Mathematics, Physics and Chemistry as elective subjects, of the University of the Panjab or, subject to the sanction of the Senate, on the recommendation of the Faculty, any other examination recognised for purposes of admission to the Faculty of Engineering;

(iii) has his name submitted to the Registrar by the Head of the College he has most recently attended;

(iv) produces the following certificates signed by the Head of the College he has most recently attended:—

(1) of good character;

(2) of having attended not less than two-thirds of the full courses of lectures delivered in each of the subjects in which he desires to be examined, and of having attended not less than two-thirds of the periods assigned to laboratory and practical work in the subjects.

(A deficiency in the number of lectures may be condoned for very special

reasons under Regulation 7 of Chapter III);

- (b) a student of the College who, having attended the prescribed number of lectures, does not appear at the examination for sufficient cause, or having appeared at the examination has failed, may be allowed to appear at the next examination and the one after the next without attending a fresh course of lectures :

Provided that the Syndicate or the determining authority under Regulation 7 of Chapter III shall have power to exclude any candidate from the examination, if it is satisfied that such candidate is not a fit person to be admitted thereto.

3. Every candidate shall forward his application to the Registrar, on the form prescribed, at least four weeks before the commencement of the examination, accompanied by a fee of sixty rupees and a statement showing the subjects in which he desires to be examined. A candidate who fails to pass or to present himself for examination shall not be entitled to a refund of the fee.

4. Every candidate shall be required to take up the following subjects for the examination :—

Group A.—Mathematics and Mechanics—two papers.

„ B.—Engineering Drawing and Design and Practical Geometry—two papers.

„ C.—Physics and Chemistry—two papers :—

(a) Physics and Electrical Engineering.

(b) Chemistry and Chemical Engineering.

5. One hundred marks shall be allotted to each paper.

6. The minimum number of marks required to pass this examination shall be thirty-three per cent. in each group and forty per cent. in the aggregate.

7. Any student who has obtained forty-five per cent. of the aggregate number of marks, but has failed in one group only, obtaining not less than twenty-five per cent. in that group, shall be admitted to an examination in that group only not later than the second Monday in the month of October of the same year, or, if he fails to pass or present himself for the examination then, at the next University examination in June on payment of the same fee as for the whole examination on each occasion, and if he pass in that group in either of those examinations, he shall be deemed to have passed the First Examination in Engineering.

Candidates to whom this concession is granted shall be allowed to read for the Second Examination in Engineering.

8. An outline of the tests in each paper is given in Appendix A. This outline may be changed from time to time by the Syndicate with the approval of the Senate.

9. The courses of study prescribed by the Senate are specified in the syllabus laid down in Appendix B. This syllabus may be modified from time to time by the Syndicate with the approval of the Senate.

10. Four weeks after the commencement of the examination or as soon thereafter as is possible, the Registrar shall publish a list of the candidates who have passed. Each successful candidate shall be granted a certificate.

THE SECOND EXAMINATION IN ENGINEERING.

1. The Second Examination in Engineering shall be held annually at Lahore in the month of June or on such other date as may be fixed by the Syndicate.

2. The examination shall be open to—

(a) any College student who—

(i) has been enrolled in a College affiliated to the University in the Faculty of Engineering during one academical year preceding the examination.

(The Syndicate may condone a deficiency in this period for special reasons);

(ii) has passed not less than one academical year previously the First Examination in Engineering;

(iii) has his name submitted to the Registrar by the Head of the College he has most recently attended;

(iv) produces the following certificates signed by the Head of the College he has most recently attended:—

(1) of good character;

(2) of having attended not less than two-thirds of the full courses of lectures delivered in each of the subjects in which he desires to be examined, and of having attended not less than two-thirds of the periods assigned to laboratory and practical work in the subjects.

(A deficiency in the number of lectures may be condoned for very special reasons under Regulation 7 of Chapter III);

(b) a student of the College who, having attended the prescribed number of lectures, does

not appear at the examination for sufficient cause, or having appeared at the examination has failed, may be allowed to appear at the next examination and the one after the next without attending a fresh course of lectures :

Provided that the Syndicate or the determining authority under Regulation 7 of Chapter III shall have power to exclude any candidate from the examination, if it is satisfied that such candidate is not a fit person to be admitted thereto.

3. Every candidate shall forward his application to the Registrar, on the form prescribed, at least four weeks before the commencement of the examination, accompanied by a fee of sixty-five rupees and a statement showing the subjects in which he desires to be examined. A candidate who fails to pass or to present himself for examination shall not be entitled to a refund of the fee.

4. Every candidate shall be required to take up the following subjects for the examination :—

Group A.—Pure and Applied Mathematics—two papers.

„ B.—Engineering Design and Drawing, Strength of Materials and Theory of Structures—two papers.

„ C.—Heat Engines and Hydraulics—two papers.

„ D.—Electrical Engineering, Direct and Alternating Current—two papers.

5. One hundred marks shall be allotted to each paper.

6. The minimum number of marks required to pass this examination shall be forty per cent. in each group and fifty per cent. in the aggregate.

7. Any student who has obtained fifty-five per cent. of the aggregate number of marks, but has failed in one group only, obtaining not less than twenty-five

per cent. of the marks in that group, may be admitted to an examination in that group only at special supplementary examination to be held not later than the second Monday in the month of October of the same year, or, if he fails to pass or present himself for the examination then at the next annual examination, on payment of the same fee as for the whole examination on each occasion; and if he pass in that group in either of those years, he shall be deemed to have passed the Second Examination in Engineering.

Candidates to whom this concession is granted shall be allowed to read for the Final Examination in Engineering.

8. An outline of the tests in each paper is given in Appendix A. This outline may be changed from time to time by the Syndicate with the approval of the Senate.

9. The courses of study prescribed by the Senate are specified in the syllabus laid down in Appendix B. This syllabus may be modified from time to time by the Syndicate with the approval of the Senate.

10. Four weeks after the commencement of the examination or as soon thereafter as is possible, the Registrar shall publish a list of the candidates who have passed. Each successful candidate shall be granted a certificate.

THE FINAL EXAMINATION IN ENGINEERING.

1. The Final Examination in Engineering in two Branches as given in Regulation 4 below shall be held annually at Lahore in the month of June or on such other date as may be fixed by the Syndicate.

2. The examination shall be open to—

(a) any College student who—

(i) has been enrolled in a College affiliated to the University in the Faculty of Engineer-

ing during one academical year preceding the examination.

(The Syndicate may condone a deficiency in this period for special reasons);

- (ii) has passed not less than one academical year previously the Second Examination in Engineering;
- (iii) has his name submitted to the Registrar by the Head of the College he has most recently attended;
- (iv) produces the following certificates signed by the Head of the College he has most recently attended:—

- (1) of good character;
- (2) of having attended not less than two-thirds of the full courses of lectures delivered in each of the subjects in which he desires to be examined and of having attended not less than two-thirds of the periods assigned to laboratory and practical work in the subjects.

(A deficiency in the number of lectures may be condoned for very special reasons under Regulation 7 of Chapter III);

- (b) a student of the College who, having attended the prescribed number of lectures, does not appear at the examination for sufficient cause, or having appeared at the examination has failed, may be allowed to appear at the next examination and the one after the next without attending a fresh course of lectures:

Provided that the Syndicate or the determining authority under Regulation 7 of Chapter III shall have power to exclude any candidate from the examina-

tion, if it is satisfied that such candidate is not a fit person to be admitted thereto.

3. Every candidate shall forward his application to the Registrar, on the form prescribed, at least four weeks before the commencement of the examination, accompanied by a fee of seventy rupees and a statement showing the subjects in which he desires to be examined. A candidate who fails to pass or to present himself for examination shall not be entitled to a refund of the fee.

4. The subjects of examination for the two branches shall be:—

(a) Mechanical Engineering.

Group A.—Mathematics—two papers.

„ B.—Mechanism and Hydraulics—two papers.

„ C.—Strength of Materials and Theory of Structures—two papers.

„ D.—Surveying—two papers.

„ E.—Heat Engines—one paper and examination of practical work.

„ F.—Engineering Drawing and Design.
(This shall be marked on the course work done during the year.)

(b) Electrical Engineering.

Group A.—Mathematics—two papers.

„ B.—Design of Electrical Machinery—two papers.

„ C.—Electrical Generation, Transmission and Distribution—two papers.

„ D.—Electrical Traction, Telegraphy, Telephony and Radio Communications—two papers.

„ E.—Heat Engines—Strength of Materials and Theory of Structures—two papers.

Group F.—Engineering Drawing and Design.
(This shall be marked on the course work done during the year.)

Every candidate shall be required to take up the subjects prescribed for one of the two branches.

5. The marks allotted to each paper or practical examination shall be one hundred, whereas the marks allotted to course work shall be two hundred.

6. The minimum number of marks required to pass this examination shall be forty per cent. in each group and fifty per cent. in the aggregate.

7. Candidates who obtain forty per cent. of the marks or more in each group and fifty per cent. of the aggregate number of marks or more shall be placed in the second division, those who obtain forty per cent. of the marks or more in each group and sixty per cent. of the aggregate number of marks or more shall be placed in the first division, and those who obtain forty per cent. of the marks or more in each group and obtain seventy per cent. of the aggregate number of marks or more shall be declared to have passed with honours.

8. Any student who has obtained fifty-five per cent. of the aggregate number of marks, but has failed in one group only, obtaining not less than twenty-five per cent. of the marks in that group, may be admitted to an examination in that group only at a special supplementary examination to be held not later than the second Monday in the month of October of the same year, or, if he fails to pass or present himself for the examination then, at the next annual examination, on payment of the same fee as for the whole examination on each occasion; and if he pass in that group in either of those years, he shall be deemed to have passed the Final Examination in Engineering.

9. An outline of the tests in each paper is given in Appendix A. This outline may be changed from

time to time by the Syndicate with the approval of the Senate.

10. The courses of study prescribed by the Senate are specified in the syllabus laid down in Appendix B. This syllabus may be modified from time to time by the Syndicate with the approval of the Senate.

11. Four weeks after the commencement of the examination or as soon thereafter as is possible, the Registrar shall publish a list of the candidates who have passed.

12. After the candidate has passed the examination he shall be required to spend two years for practical training in a recognised workshop, or on engineering works. On producing certificates of satisfactory progress during this period of training, the successful candidate shall be admitted to the Degree of Bachelor of Science in Engineering.

13. Any candidate who has passed the Final Examination in Engineering in one branch may, on payment of a fee of seventy rupees, be admitted to this examination in the branch other than that in which he was previously examined, provided he fulfils the conditions laid down in Regulation 2 and may, if his attainments come up to the standard prescribed, be granted a certificate to that effect. Before such a candidate is admitted to the Degree of Bachelor of Science in Engineering he must undergo practical training and produce certificates of satisfactory progress as in Regulation 12.

TRANSITORY REGULATIONS.

1. Students on the rolls of Class A of the Maclagan Engineering College, Mughalpura, in 1931, who have passed the Intermediate Examination of the Science Faculty taking up Mathematics, or the Intermediate

Examination of the Arts Faculty taking up Mathematics and Chemistry or Mathematics and Physics, or any *other examination approved by the Senate on the recommendation of the Syndicate, shall be eligible to appear for the Engineering examinations as under:—

- (a) Those who joined the College in 1931 shall be admitted to the First Examination in Engineering in 1932.
- (b) Those who joined the College in 1930 and were promoted to the second year class in 1931 shall be admitted to the Second Examination in Engineering in 1932.
- (c) Those who joined the College in 1929 and were promoted to the second year class in 1930 and the third year class in 1931 shall be admitted to the Final Examination in Engineering in 1932.

2. Candidates not mentioned in Regulation 1 above who have passed the Final Diploma Examination of the Maclagan Engineering College, Mughalpura, having, before admission to the College, passed one of the examinations referred to in Regulation 1 above, shall be eligible to appear in the Final Examination in Engineering in 1932 and thereafter. Such candidates as appear and qualify under this Regulation and (have) spent two years for practical training in a recognised workshop, or on engineering works subsequent to passing the Final Diploma Examination of the College, shall, on producing certificates of satisfactory progress during the period of training, be admitted to the Degree of Bachelor of Science in Engineering.

* Matriculation Examination and the Senior Cambridge Examination have been approved by the Senate for this purpose (*vide Senate Proceedings*, dated the 30th March and 28th May, 1932, respectively).

3. Candidates appearing under these Transitory Regulations shall, in other respects, be governed by the Regulations relating to the examination for which they appear.

APPENDIX A.

FIRST EXAMINATION IN ENGINEERING.

Group A.—Mathematics and Mechanics—

Two written papers of three hours each—				<i>Marks.</i>
<i>Paper (a)</i>	Mathematics	...	...	100
<i>Paper (b)</i>	Mechanics	...	...	100
				<hr/> 200 <hr/>

Group B.—Engineering Drawing and Design and Practical Geometry—

Two written papers—

<i>Paper (a)</i>	Engineering Drawing and Design :	3½	
	hours	...	100
<i>Paper (b)</i>	Practical Geometry :	3 hours	100
			<hr/> 200 <hr/>

Group C.—Physics and Chemistry—

Two written papers of three hours each—

<i>Paper (a)</i>	Physical and Electrical Engineering	...	100
<i>Paper (b)</i>	Chemistry and Chemical Engineering	...	100
			<hr/> 200 <hr/>

SECOND EXAMINATION IN ENGINEERING.

Group A.—Pure and Applied Mathematics—

Two written papers of three hours each—

<i>Paper (a)</i>	Pure Mathematics	...	100
<i>Paper (b)</i>	Applied Mathematics	...	100
			<hr/> 200 <hr/>

Group B.—Engineering Design and Drawing, Strength of Materials and Theory of Structures—

Two written papers—			Marks
<i>Paper (a)</i>	Engineering Drawing and Design : 3½ hours	...	100
<i>Paper (b)</i>	Strength of Materials and Theory of Structures : 3 hours	...	100
			<hr/> 200 <hr/>

Group C.—Heat Engines and Hydraulics—

Two written papers of three hours each—

<i>Paper (a)</i>	Heat Engines	...	100
<i>Paper (b)</i>	Hydraulics	...	100
			<hr/> 200 <hr/>

Group D.—Electrical Engineering, Direct and Alternating Current—

Two written papers of three hours each—

<i>Paper (a)</i>	Electrical Engineering, Direct Current	...	100
<i>Paper (b)</i>	Electrical Engineering, Alternating Current	...	100
			<hr/> 200 <hr/>

FINAL EXAMINATION IN ENGINEERING.

(a) *Mechanical Engineering.*

Group A.—Mathematics—

Two written papers of three hours each—

<i>Paper (a)</i>	Pure Mathematics	...	100
<i>Paper (b)</i>	Applied Mathematics	...	100
			<hr/> 200 <hr/>

Group B.—Mechanism and Hydraulics—

Two written papers of three hours each—

<i>Paper (a)</i>	Mechanism	...	100
<i>Paper (b)</i>	Hydraulics	...	100
			<hr/> 200 <hr/>

Group C.—Strength of Materials and Theory of Structures—

Two written papers of three hours each—			<i>Marks.</i>
<i>Paper (a)</i> Strength of Materials	...	...	100
<i>Paper (b)</i> Theory of Structures	...	...	100
			<hr/>
			200

Group D.—Surveying—

Two written papers of three hours each—			
<i>Paper (a)</i> Surveying	...	...	100
<i>Paper (b)</i> Surveying	...	...	100
			<hr/>
			200

Group E.—Heat Engines and examination of practical work—

One written paper of three hours—			
Written paper—Heat Engines	...	.	100
Examination of practical work	.	..	100
			<hr/>
			200

Group F.—Engineering Drawing and Design—

Course work	200
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(b) *Electrical Engineering.*

Group A.—Mathematics—

Two written papers of three hours each—			
<i>Paper (a)</i> Pure Mathematics	...	.	100
<i>Paper (b)</i> Applied Mathematics	...	..	100
			<hr/>
			200

Group B.—Design of Electrical Machinery—

Two written papers of three hours each—			
<i>Paper (a)</i> Design of Electrical Machinery	...	...	100
<i>Paper (b)</i> Design of Electrical Machinery			100
			<hr/>
			200

Group C.—Electrical Generation, Transmission—

Two written papers of three hours each—	<i>Marks</i>
<i>Paper (a)</i> Electrical Generation and Distribution ...	100
<i>Paper (b)</i> Electrical Transmission ...	100
	<hr/> 200 <hr/>

Group D.—Electrical Traction, Telegraphy, Telephony and Radio Communications -

Two written papers of three hours each—	
<i>Paper (a)</i> Electrical Traction ...	100
<i>Paper (b)</i> Telegraphy, Telephony and Radio Com- munications ...	100
	<hr/> 200 <hr/>

Group E.—Heat Engines, Strength of Materials and Theory of Structures—

Two written papers of three hours each—	
<i>Paper (a)</i> Heat Engines ...	100
<i>Paper (b)</i> Strength of Materials and Theory of Structures ...	100
	<hr/> 200 <hr/>

Group F.—Engineering Drawing and Design—

Course work ...	200
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XII-D.—REGULATIONS FOR THE CONSTITUTION OF HONOURS SCHOOLS, THE DEGREE OF BACHELOR OF ARTS WITH HONOURS AND MASTER OF ARTS.

GENERAL REGULATIONS.

1. The following expressions have in these regulations the meaning hereinafter assigned to them:—

- (1) “ University Professor,” or “ University Professors,” means the Professor or Profes-

sors appointed by the University for the purposes of each Honours School concerned: viz., the University Professor or Professors of Mathematics for the purposes of the Honours School of Mathematics: the University Professor or Professors of History for the purposes of the Honours School of History: and the University Professor or Professors of Sanskrit and Arabic for the purposes of the Honours School of Oriental Languages.

- (2) "University Reader," or "University Readers," means the Reader or Readers appointed by the University for the purposes of each Honours School concerned, as in the last foregoing clause *mutatis mutandis*.
- (3) "Board of Control" means a Board of Control established by the University in Lahore for the control of an Honours School in the Faculty of Arts.
- (4) "Local Board of Control" means an agency established by the University in a centre outside of Lahore for the control of a class or classes working in an Honours School in the Faculty of Arts in such centre.
- (5) "Teaching Staff" means the teachers, other than the University Professors or Readers, who are authorised to teach candidates in an Honours School.

*2. The Board of Control of an Honours School shall consist of the University Professor or Professors, the University Reader or Readers stationed in Lahore,

¹ Teachers, other than those approved for actual teaching in the School, provided they are teachers of the subject taught in the School, are eligible for nomination to the Board of Control, except in the case of the Board of Control for the Combined Honours School (Arts)—(*Synd. Proc.*, dated 10th October, 1925, para. 9).

and such teachers of the subjects taught in the School as may be appointed by the Syndicate for the purpose, except that, in the case of the Combined Honours School (Arts), the Board of Control shall consist of the Dean of University Instruction and of not more than two representatives of each subject of the School to be nominated by the Syndicate, one of whom shall be a University Professor of the subject, if any.

3. The Local Board of Control of an Honours School at any centre at which the University may establish a Local Board of Control for classes working in such Honours School, shall consist of the Principal or Principals of the College or Colleges to which the candidates working in such School belong, together with the University Professor or Reader (if any) stationed at such centre, and the teaching staff of the Honours School stationed at such centre.

4. The teaching staff for each Honours School shall be selected by the Syndicate, subject to the control of the Senate, on the recommendation of a Selection Committee consisting of the Vice-Chancellor, the Chief Justice, the Director of Public Instruction and the Dean of University Instruction, to be made from a list of available teachers drawn up by the Academic Council.

4-A. The teaching in an Honours School shall consist, so far as may be possible, of discussion between teacher and student, guidance in reading and criticism of written work, with attention to the particular development of the individual student. So far as may be possible, it shall exclude the use of text-books and the delivery of lectures intended to be recorded and memorised like text-books.

5. No Honours class shall be opened except with the sanction of the Syndicate to be given on the recommendation of the Academic Council.

6. Candidates for the Degree of Bachelor of Arts with Honours must obtain admission from the Board

of Control (or from the Local Board of Control, if they are members of a College outside Lahore) to one of the Honours Schools, and after working through the courses prescribed to the satisfaction of the Board of Control of that School, and after passing such preliminary examinations as may be required by the Regulations, satisfy the Examiners in the Bachelor of Arts Honours Examination.

7. Every candidate for admission to an Honours School must be recommended by his Principal, and obtain a certificate from the Registrar showing in detail the results of his Intermediate Examination. A candidate who is not admitted before the summer vacation may be admitted up to the end of October..

8. The Board of Control, in the case of students belonging to Colleges in Lahore, and the Local Board of Control of the centre concerned, in the case of students belonging to Colleges outside Lahore, is the authority empowered to admit students to the School or class which it controls, and to exclude students from such School or class in accordance with any rules or directions laid down by the Academic Council. The Board of Control shall, as nearly as may be, limit the number of students admitted to an Honours School to the number for whom the kind of teaching postulated by Regulation No. 4-A can, with due regard to the means at the disposal of the University, be provided.

9. (1) The Board of Control, or the Local Board of Control, of an Honours School shall, in case of the misconduct of a candidate in connection with his work in such School, have power to exclude him from the Honours School, but not to expel him from the University.

(2) The Board of Control, and Local Board of Control, of each Honours School shall reconsider shortly before Christmas, and again before the end of the first year of the

Honours Course, the suitability of each new student in the School for the work of the School, and may on either occasion send back to the Pass Courses any candidate who is found unequal to the work.

- (3) Candidates admitted to an Honours School shall be governed by the General Regulations relating to Honours Schools and by Regulations relating to that particular Honours School.

10. Every candidate admitted to an Honours School must be a member of an affiliated College and must pay fees to his College and to the University according to the scales that may be arranged by the Syndicate and the Colleges concerned.

11. Subject to the Regulations and the directions of the Academic Council and of the Syndicate the discipline and routine in each School will be under the direction of the Board of Control of that School.

12. Except in respect of his work in the School, each Honours student will remain under the control and discipline of his own College, e.g., a student expelled from his College is *ipso facto* expelled from any Honours School.

13. In any Honours School where there is a Preliminary* Examination in English at the end of the first year or a Preliminary Examination in a subsidiary subject at the end of the second year of the Honours Course, if a candidate fail to satisfy the Examiners in that Preliminary Examination the candidate shall have another opportunity of qualifying in English or the subsidiary subject.

In any Honours School where the Preliminary Examination in English is held at the end of the second

* Admission fee to Preliminary Examination in English or any subsidiary subject Rs. 10. Final Rs. 50. (*Synd.*, 12th March, 1920.)

year of the Honours Course, the candidate shall have one other opportunity of qualifying in English about September of the year he fails.

14. The B.A. Honours Examination in each School shall be conducted by a Board of Examiners comprising teachers in the School and external examiners.

15. There shall be instituted:—

- (1) The Honours School of Mathematics.
- (2) The Combined Honours School (Arts).
- (3) The Honours School of History.

16. A candidate shall not be permitted to appear in the Honours Examination more than once.

17. On the advice or with the permission of the Board of Control a candidate may postpone his appearance in the Honours Examination for one, two or three years. Provided that no candidate who postpones his appearing in the examination under this regulation shall be eligible for any prize or scholarship.

18. In the event of a candidate failing to appear in the whole or part of the B.A. Honours Examination after having sent in his application, if the Board of Control is satisfied that his failure to appear was due to serious illness or to some physical accident and that if he had appeared he would have obtained Honours, the Board of Control may recommend him to the Syndicate for the grant of Pass Degree.

If he is granted this degree such a candidate may be admitted to the fourth year class of the Honours School.

19. If the Board of Examiners consider that a candidate is not worthy of Honours, but that he shows a standard of knowledge equivalent to that required for the Pass Degree, they may recommend him to the Syndicate for the grant of the Pass Degree. If he is granted this degree such a candidate may not be admitted to the fourth year class of the Honours School.

SPECIAL REGULATIONS FOR THE HONOURS SCHOOL
OF MATHEMATICS.

1. Every candidate for admission to this School must have taken Mathematics in the Intermediate Examination.

2. Every candidate must qualify in English and will be examined in this subject at the end of the first year of the Honours Course.

3. At the end of the third year of the Honours Course there shall be an examination in Mathematics for B.A. Honours.

The number of papers and distribution of the subject shall be determined from time to time by the Academic Council, on the recommendation of the Board of Control, subject to confirmation by the Senate.

Candidates considered worthy of Honours will be classified in three classes.

4. If a candidate, who has been admitted to the Honours School, is sent back to the Pass Classes, he shall be allowed to take the Pass B.A. Examination two years after passing the Intermediate Examination, taking English, and including Mathematics, as one of his subjects.

5. If a candidate fails in English at the end of his first year, and is remanded to the Pass Classes, he may be admitted to the Pass Examination in any subjects three years after passing the Intermediate Examination.

6. A candidate who reverts to the Pass Courses after failing in the B.A. Honours Examination may appear in the B.A. Pass Examination the following year.

7. A candidate who distinguishes himself in the Mathematics of the Pass B.A. may, at the discretion of the Board of Control, be admitted to the Honours Classes and appear at the next Honours Examination.

8. At the end of the fourth year of the Honours Course, there shall be an examination in Mathematics for the M A. Degree. This examination shall be conducted by a Board of Examiners consisting of teachers in the School and external examiners.

The number of papers, the distribution of the subject, and the nature of any other test shall be determined from time to time by the Academic Council, on the recommendation of the Board of Studies, subject to confirmation by the Senate.

SPECIAL REGULATIONS FOR THE COMBINED HONOURS SCHOOLS (ARTS).

1. Every candidate shall in the first two years of the School take English and any two of the following subjects:—

- (1) History.
- (2) Economics.
- (3) Philosophy.

2. Every candidate shall qualify in one of his subjects at the end of the second year of the Honours Course, provided that, if a candidate fail to satisfy the Examiners in one subject at the end of the second year of the Honours Course, but is not remanded to the Pass Course, he shall have one other opportunity of qualifying in that subject about September of the year in which he fails.

3. At the beginning of the third year of the Honours Course the candidate shall declare which is to be regarded as his major subject. At the end of the third year of the School each candidate who has qualified in one of his subjects shall be examined in his other two subjects.

The number of papers and distribution of the subjects shall be determined from time to time by the Academic Council, on the recommendation of the

Board of Control, subject to confirmation by the Senate.

Candidates considered worthy of Honours shall be classified in three classes.

4. If a candidate fails to qualify himself in one subject as laid down in Regulation 2 above and is remanded to the Pass Classes, he may be admitted to the Pass Examination in these subjects three years after passing the Intermediate Examination, if he is otherwise eligible.

5. A candidate who reverts to the Pass Course after failing in the Combined Honours School (Arts) Examination may appear in those subjects in the B.A. Pass Examination the following year.

6. A candidate may be remanded to the Pass Course by the Board of Control on account of unsatisfactory work during the term or unsatisfactory results at the annual Class Examination. He shall be remanded if he fails to qualify in one subject either at the end of the second year or in the September following the end of the second year.

7. If a candidate, who has been admitted to this Honours School, is sent back to the Pass Classes at any time up to the end of the first year, he shall be allowed to take the Pass Degree Examination two years after passing the Intermediate Examination.

*SPECIAL REGULATIONS FOR THE HONOURS SCHOOL OF HISTORY.

1. The examination shall be divided into two parts. The examination in Part I shall be held (by the University) at the end of two years and in Part II one year after that.

* Students of the Honours School in History are required to pay a fee of Rs. 4 per mensem (*vide* paragraph 2 of the *Syndicate Proceedings*, dated the 12th May, 1933).

2. The number of papers and distribution of the subject shall be determined from time to time by the Academic Council, on the recommendation of the Board of Control, subject to confirmation by the Senate.

3. Candidates considered worthy of Honours shall be classified in three classes.

4. A student who has passed the B.A. Examination in the First or Second Division, taking History as one of his elective subjects, may be permitted to present himself for this examination at the end of the second year after passing the B.A. Examination. Such a candidate shall, on the recommendation of the Board of Control, be granted exemption from appearing in two papers at this examination, the equivalent of which he took up at the B.A. Examination. Provided that a student who has passed the B.A. Examination with Economics as second elective subject shall be exempted from examination in the Principles of Economics. Provided further that no such candidate shall be granted exemption from appearing at this examination in the equivalent of more than two papers.

5. The examination in History for the M.A. Degree shall not be taken earlier than at the end of the fourth year of the Honours Course, except in the case of those students who join the B.A. Pass Course at least one year before the inauguration of the Honours School of History.

6. No payment shall be made by the University to a College lecturer in the School whether in Lahore or outside.

REGULATIONS FOR THE CONSTITUTION OF THE DEGREE OF BACHELOR OF SCIENCE WITH HONOURS AND MASTER OF SCIENCE.

1. Candidates for the Degree of Bachelor of Science with Honours must obtain admission to one of the Honours Schools in the Science Faculty and after

working through the courses prescribed to the satisfaction of the Board of Control of that School, and after passing the preliminary examination, satisfy the examiners in the Bachelor of Science Honours Examination.

*2 There shall be instituted Honours Schools in

- (i) Physics.
- †(ii) Chemistry
- (iii) Botany.

* The following have been approved as subsidiaries for various schools :—

For Botany School—

- (a) Zoology;
- (b) Physiology;
- (c) Chemistry; and
- (d) Geology.

For Zoology School—

- (a) Botany;
- (b) Physiology;
- (c) Chemistry; and
- (d) Geology.

For Chemistry School—

Physics, including a special course of Mathematics (both Pure and Applied)

For Technical Chemistry School—

Physics and Engineering.

Arrangements for teaching are not guaranteed in all the subsidiary subjects (para. 12, *Synd. Proc.*, 4th May, 1923).

† The following scale of fees has been sanctioned by the Syndicate, *vide* paragraph 4 of its Proceedings, dated the 1st May, 1924 :—

Class.		Monthly fee.	Breakage money per annum
1st Year	Honours	Rs. 4	Rs. 20
2nd	„	Rs. 8	Rs. 20
3rd	„	Rs. 15	Rs. 20
4th	„ Research	Rs 15	Rs. 30

* (iv) Zoology.

† (v) Technical Chemistry.

Provided that no Honours School shall be started before a date to be determined by the Syndicate.

3. The teaching staff for each Honours School shall be selected by the Syndicate, subject to the control of the Senate, on the recommendation of the Academic Council. Provided that if a College outside Lahore is permitted by the Academic Council to give instruction in the first and second years of an Honours School, the teaching staff for that purpose shall be selected by the College, subject to the approval of the Academic Council.

3-A. The teaching in an Honours School shall consist, so far as may be possible, of discussion between teacher and student, guidance in reading and criticism of written and practical work, with attention to the particular development of the individual student. So far as may be possible, it shall exclude the use of text-books and the delivery of lectures intended to be recorded and memorised like text-books.

4. Subject to the regulations and the directions of the Academic Council and of the Syndicate, the discipline and routine in each School shall be under the direction of the Board of Control of that School.

5. The Board of Control of an Honours School shall be formed by such teachers of the subject or of a

* There shall be two written papers of three hours each and a practical for the Subsidiary Examination in Botany for the Zoology Honours School (*Synd. Proc.*, dated the 16th May, 1921. para. 10).

† *Technical Chemistry Honours School.*

The following scale of fees has been sanctioned by the Syndicate, *vide* paragraph 29 of its Proceedings, dated the 5th November, 1925 :—

Class.	Monthly fee.	Breakage money per annum
1st Year Honours	Rs. 4	Rs. 20
2nd " "	Rs. 8	Rs. 20
3rd " "	Rs. 8	Rs. 20

subsidiary subject which is taught in the School, as may be appointed by the Syndicate for the purpose, provided that it shall include one teacher from each College outside Lahore giving instruction to students of the Honours School. The University Professor, or a Professor-in-Chief appointed by the Syndicate, shall be Chairman of the Board of Control.

6. Candidates for admission to any School must have taken the subject of that School in the Intermediate Examination.

7. Every candidate admitted to an Honours School must be a member of an affiliated College and must pay fees to his College and to the University according to the scales which may be arranged by the Syndicate and the College concerned.

A member of a College outside Lahore may be admitted to an Honours School by the Board of Control if that College has been permitted to give instruction in that Honours School. In that case he will pay no fees to the University until he is admitted to a class in Lahore.

8. Every candidate for admission to an Honours School must be recommended by his Principal, and obtain a certificate from the Registrar showing in detail the results of the Intermediate or B.Sc. Examination. A candidate who is not admitted before the summer vacation may be admitted up to the end of October.

8-A. The Board of Control is the authority empowered to admit students to the School or class which it controls, and to exclude students from such School or class in accordance with any rules or directions laid down by the Academic Council. The Board of Control shall, as nearly as may be, limit the number of students admitted to an Honours School to the number for whom the kind of teaching postulated by Regulation No. 3-A can, with due regard to the means at the disposal of the University, be provided.

A student who has received instruction for the first two years at a College outside Lahore shall at the end of that period take the same test as students in Lahore, and if promoted to the third year class shall work for the third year at Lahore.

The work of the fourth year shall be done at Lahore, except that the Board of Control, with the sanction of the Academic Council, may permit a candidate to work in another institution where there are special facilities for research in a particular branch of the subject.

9. Except in respect of his work in the School, each Honours student will remain under the control and discipline of his own College, e.g., a student expelled from his College is *ipso facto* expelled from any Honours School. The Board of Control of an Honours School shall in cases of misconduct have power to exclude a student from the Honours School, but not to expel him from the University.

10. The Board of Control of each Honours School shall reconsider shortly before Christmas, and again at the end of his first year, the suitability of each new student in the School for the work of the School, and send back to the Pass Courses those who are found unequal in the work.

11. Preliminary Examination: Every candidate must qualify in English and shall be examined in this subject at the *end of the first year of the Honours Course.

Every candidate, except in the Honours School in Technical Chemistry, must qualify in a subsidiary subject, and shall be examined in this at the end of the second year of the Honours Course. In the Honours School in Technical Chemistry the candidate at the end of the second year must qualify and shall be examined in Physics and Engineering to constitute one subsidiary subject consisting of two written papers, one in Physics and the other in Engineering and a

* The examination to be held in the end of May (*Syndicate Proceedings*, dated the 7th November, 1930, paragraph 19).

practical test. The candidate must pass in each of the three papers separately.

A candidate who fails to satisfy the examiners in English or in the subsidiary subject or subjects shall have one other opportunity, about* September of the year he fails, of qualifying in the subject or subjects in which he fails. Provided that in the case of the Honours School in Technical Chemistry a candidate who fails in Physics, written or practical, shall reappear only in Physics, and a candidate who fails in Engineering shall reappear only in Engineering.

11-A. A candidate who has passed the B.Sc. Pass Examination, or, in the case of Honours School in Botany, a candidate who has passed the B.Sc. (Agriculture) Examination with Botany as a principal subject, will be excused one year of the Honours Course and from appearing in the Preliminary Examination.

12. If a candidate who has been admitted to the Honours School is sent back to the Pass Classes at any time up to the end of the first year, he shall be allowed to take the Pass Degree Examination two years after passing the Intermediate Examination

13. The B.Sc. Honours Examination shall be held at the end of the third year of the Honours Course.

14. The B.Sc. Honours Examination in each School shall be conducted by a Board of Examiners, consisting of teachers in the schools and external examiners.

15. The number of papers and the distribution of the subject shall be determined from time to time by the Academic Council, on the recommendation of the Board of Studies, subject to confirmation by the Senate.

16. A candidate shall not be permitted to appear in the Honours Examination more than once.

* The examination in written papers in the subsidiary subjects to be held as at present, but the practical examinations to be held a fortnight later (*Academic Council Proceedings*, dated 23-10-1929, para. 9).

17. Candidates considered worthy of Honours shall be classified in three classes.

18. A candidate who reverts to the Pass Courses after failing in the B.Sc. Honours Examination may appear in the B.Sc. Pass Examination the following year.

19. On the advice or with the permission of the Board of Control a candidate may postpone his appearance in the Honours Examination for one, two, or three years. Provided that no candidate who postpones his appearing in the examination under this regulation shall be eligible for any prize or scholarship.

20. In the event of a candidate failing to appear in the whole or part of the B.Sc. Honours Examination after having sent in his application, if the Board of Control is satisfied that his failure to appear was due to serious illness or to some physical accident, and that if he had appeared he would have obtained Honours, the Board of Control may recommend him to the Syndicate for the grant of a Pass Degree.

If he is granted this degree such a candidate may be admitted to the fourth year class of the Honours School.

21. If the Board of Examiners consider that a candidate is not worthy of Honours, but that he shows a standard of knowledge equivalent to that required for the Pass Degree, they may recommend him to the Syndicate for the grant of the Pass Degree. If he is granted this degree such a candidate may not be admitted to the fourth year class of the Honours School.

*REGULATIONS FOR THE M.Sc. EXAMINATION.

1. The examination for the M.Sc. Degree shall be held at the end of the fourth year of the Honours

* In examinations for which the candidate is admitted to the degree purely on thesis work, he is not allowed to present the thesis before the expiry of 8 months from the commencement

Courses in those subjects in which there are Honours Schools. The fourth year of the Honours Course in Chemistry shall also be open to candidates who have passed the B.Sc. Honours Examination in the Honours School in Technical Chemistry.

2. The M.Sc. Examination in each School shall be conducted by a Board of Examiners consisting of teachers in the School and external examiners.

3. The number of papers, the distribution of the subject, and the nature of any other test, shall be determined from time to time by the Academic Council, on the recommendation of the Board of Studies, subject to confirmation by the Senate.

XIII.—REGULATIONS RELATING TO THE AWARD OF SCHOLARSHIPS.*

1. Scholarships shall be awarded at the various examinations in the order of the class lists published by the University.

No student shall hold more than one scholarship or exhibition except where the conditions of the foundation expressly provide for it.

If a student becomes entitled to two scholarships on the results of examinations, he shall hold only one. In any case where a student stands first in an examination or in any subject, but is not awarded or does not accept a scholarship which he would ordinarily hold, such scholarship may be awarded to the next eligible candidate on the list.

of the academic session, and after that period the thesis might be presented when permitted by the Board of Control in the subject (*vide* paragraph 7 of the *Syndicate Proceedings*, dated the 2nd June, 1928).

* Regulations under Section 25 (2) (n) of the Indian Universities Act.

*2. Every such scholarship shall be tenable in any College affiliated for the examination next higher to that at which the scholarship is awarded (except the Law College, the Central Training College, and, unless the student has joined the M.Sc. class in Physiology, the Medical College). Provided that a scholar reading for the M.A. or M.Sc. must take up one of the subjects he has taken for the B.A. or B.Sc. Degree, and in the case of the Honours Schools the scholar must take up the principal subject of his School. A scholarship awarded on the results of the Matriculation Examination shall be tenable for 24 months from the 1st day of May. A scholarship awarded on the results of the Intermediate Examination and the First Examination in Commerce shall be tenable for 24 months from the 1st day of June. A scholarship awarded on the results of the B.A. and B.Sc. Examinations shall be tenable for 22 months from the 1st of September, provided that if a scholar appears in the M.A. or M.Sc. Examination in the first twelve months and discontinues his studies, his scholarship shall lapse at the end of May. A scholarship awarded on the results of the B.Sc. Honours School Examination shall be tenable for twelve months from the first day of June.

Provided further, that, if the student is otherwise entitled, scholarship shall be paid for the months for which tuition fees have been realised.

3. Scholarships are given on the express understanding that the holder shall attend a College as a regular student and pursue his studies with industry. If it should appear at any time that the scholar fails to make satisfactory progress, or has been guilty of gross misconduct or laziness, or has been irregular in attendance, he shall, after due warning, be reported

* A candidate, if otherwise eligible, must pay the tuition fees to the College for the month for which scholarship is claimed (*Synd. Proc.*, 27-8-25, para. 3).

by the head of the College to the Syndicate who may diminish or withdraw the scholarships.

4. Scholarships shall be awarded on the results of the examinations. In the case of an examination in which Honours papers are set, marks gained on these shall be taken into consideration in the award of scholarships on the results of such examination except in the case of the award of the Fuller Exhibition. Each scholar shall be at once informed of his having been awarded a scholarship. A scholar not notifying the University in writing of his acceptance of the scholarship within two weeks of the receipt of the Registrar's letter shall be liable to forfeit his scholarship which may be re-awarded.

5. The number and value of University scholarships to be awarded each year at the various examinations shall be determined by the Syndicate (subject to the sanction of the Senate) having regard to the number, value, and conditions of Government Scholarships notified for that year.

The number and value of these scholarships for the current and for next year are shown in Appendix A

6. Except in the case of scholarships awarded by the Government, no scholarships shall be given for the Matriculation or Intermediate Examinations of any Faculty, except the Matriculation Examination in the Oriental Faculty unless the candidate is placed in the First Division or for any Degree Examination or for the Matriculation Examination in the Oriental Faculty unless the candidate is placed in the First or Second Division.

7. Scholarships awarded on the result of the M.S.L.C. Examination shall only be tenable by Matriculation candidates.

8. In the case of scholarships awarded on the result of Intermediate Examinations, scholarship-holders who join an Honours School of which the examination is held at the end of the third year after the Inter-

mediate Examination, the scholarship shall be extended for a further period of twelve months.

9. In subjects where examinations under the Regulations of Chapter XII-C are held, the scholarships shall be awarded on the result of those examinations on the recommendation of the Board of Examiners.

APPENDIX A.

I.—NUMBER AND VALUE OF SCHOLARSHIPS ON THE EXAMINATIONS.

MATRICULATION AND SCHOOL-LEAVING CERTIFICATE EXAMINATION.

Thirty-two Government Scholarships—Rs. 10 + College Fees. Four of the scholarships will in the first place be awarded to the sons of Hindu and Sikh, Jat and Rajput agriculturists eligible for Zamindari scholarships. The remaining 28 will be awarded chiefly in order of merit, but so as to secure that the total number of scholarships assigned to each of the main divisions of the people is as below:—

Muhammadans	...	...	15
Hindus	...	...	10
Sikhs	...	...	5
Others	...	...	2

Forty University Scholarships at Rs. 18 per mensem.

INTERMEDIATE EXAMINATION.

Arts and Science Faculties.

(1) Ten University Scholarships of Rs. 20 per mensem open to the first ten candidates on the combined list of successful candidates in the Intermediate Examination in the Faculties of Arts and Science.

(2) *Thirty-two Government Scholarships—Rs. 10

* The Panjab Government has decided that these scholarships be awarded on the combined results of the Arts and

+ College Fees, awarded in the same way as for the Matriculation but open to candidates of both the Arts and Science Faculties except those awarded scholarship under (1) above.

FIRST EXAMINATION IN COMMERCE.

One University Scholarship of Rs. 20 per mensem to be awarded to the student standing first in the First Examination in Commerce.

*B.A. AND B.Sc. EXAMINATIONS.

Fourteen Subject Scholarships at Rs. 25 per mensem in English (open to B.A. students only), Arabic, Persian, Mathematics (two scholarships), History, Economics, Philosophy, Physics, Chemistry, Botany, Zoology, Geology, Physiology and Technical Chemistry.

In addition to the above, six Subject Scholarships at Rs. 25 per mensem in Mathematics (two scholarships, one for A course and one for B course), English, History, Economics and Philosophy, to be awarded to a candidate who, from amongst the Pass men in the B.A. Examination, stands first in the subject concerned and obtains not less than 60% of the aggregate number of marks in the three subjects: failing which the scholarship for the year lapses.

Science Faculties in order of merit according to community as laid down in Article 29, Chapter V, of the Panjab Education Code, eleventh edition.

* In subjects for which scholarships are not given to B.A. Pass men, if no Honours man in a particular year is under the rules entitled to the scholarship then it be awarded to the best Pass man in the subject (*Syndicate Proceedings*, dated 14th October, 1927, paragraph 18).

RULES FOR THE AWARD OF THE ALBERT VICTOR-PATIALA SCHOLARSHIPS.

1. These scholarships have been founded by His Highness the Maharaja of Patiala to commemorate the visit of His Royal Highness Prince Albert Victor of Wales, and shall be called *The Albert Victor-Patiala Scholarships*.

2. The scholarships shall be twelve in number, of which six shall be awarded each year, tenable for two years, as follows:—

Two scholarships for the Intermediate Arts Class at Rs. 14 per mensem each.

Two scholarships for the B.A. Class at Rs. 16 per mensem each.

Two scholarships for the M.A. Class at Rs. 22 per mensem each.* .

3. The scholarships shall be awarded to students standing highest in the examinations for the classes above specified, provided they have not been awarded any other scholarship of equal or greater value. *Provided* further that a student of good family in straitened circumstances shall, in every case, have a prior claim in competition with other students.

Explanation.—‘Good family’ within the meaning of this rule shall be deemed to include descendants of persons who hold, or who have held, a good social position, but who at the time of the award of the scholarship are in straitened circumstances.

4. Candidates who desire to compete for any of the above scholarships must, with their applications, submit a statement showing—

- (1) the father’s social standing;
- (2) the monthly income of the father or of the supporter of the family;

* Awardable to students who do not take up an Oriental Language as single subject.

- (3) the number and relationship of the persons maintained by the father or the supporter of the family.

This statement must be countersigned by a Civil Officer of the candidate's own district, of rank not lower than that of an Extra Assistant Commissioner.

A Sub-Committee shall be appointed annually by the Syndicate to consider the eligibility of the candidates who stand highest.

5. That the scholarships shall be given on the express understanding that the holder shall attend and pursue his studies with industry at a College or institution recognised by the Syndicate, and preparing students for the examination next higher to that at which the scholarship is awarded.

6. That a scholarship awarded under these rules shall be liable to forfeiture or diminution if it should appear at any time to the Syndicate that the holder thereof is not making satisfactory progress in his studies, or has been guilty of gross misconduct, or has been irregular in attendance.

7. Any surplus that may arise from the vacancy of the scholarships or otherwise shall be applied in such manner as the Syndicate shall think best calculated to further the object and purposes of the endowment.

8. Subject to these rules the General Regulations relating to scholarships shall apply to these scholarships.

RULES FOR THE AWARD OF AITCHISON-RAM RATTAN SANSKRIT SCHOLARSHIPS.

1. The income annually arising from the donation of Rai Bahadur Seth Ram Rattan shall be expended in the establishment of four scholarships intended for the encouragement of an enlightened study of Sanskrit literature within the Panjab University.

2. These scholarships shall be called the Aitchison-Ram Rattan Sanskrit Scholarships.

3. These scholarships shall be tenable for two years under the conditions mentioned below, at any Arts College in the Panjab or in Rajputana which teaches up to the standard of the examination for which the holder of the scholarship must study.

4. Two scholarships of the value of Rs. 18 per mensem each, of which one will be available each year, shall be awarded to candidates who successfully pass the Intermediate Arts Examination of the Panjab University, taking up Sanskrit as one of their subjects, and stand highest in the particular subject in their respective year.

*5. Two scholarships of the value of Rs. 25 per mensem each, of which one will be available each year, shall be awarded to candidates who successfully pass the Bachelor of Arts Examination of the Panjab University, taking up Sanskrit as one of their subjects, and stand highest in the particular subject in their respective year.

6. The scholarships will be awarded to successful candidates under the above conditions without regard as to whether Sanskrit had been taken up by them as a compulsory or as an optional subject.

7. The scholarship shall be tenable on condition only that the scholars continue their studies in Sanskrit at an affiliated College with a *bona fide* intention of appearing in the next higher Arts Examination of the Panjab University, taking Sanskrit as a subject in that examination.

8. Payments on account of these scholarships shall be made monthly on bills drawn by the head of the College, in which the scholar prosecutes his studies.

* To be awarded to the best man in Sanskrit in the B.A. Examination including the Honours Papers, if any (*Syndicate Proceedings*, dated the 14th October, 1927, paragraph 19).

9. Should a scholar discontinue his University studies or be unfavourably reported on by the head of his College, the Syndicate shall declare the scholarship to be forfeited.

10. Subject to these rules the general rules relating to scholarships shall apply to these scholarships.

XIV.—REGULATIONS RELATING TO ADMISSION TO DEGREES *

†1. The Syndicate shall from time to time report to the Senate the names of all persons who have passed the examination required for the various degrees of the University, and have become qualified under the Regulations for admission to such degrees. When the Senate has sanctioned the admission of any such person to any degree, he shall be entitled to be formally admitted to that degree.

2. The following, if otherwise eligible under the Regulations, shall be admitted to their various degrees at the next Annual Convocation or at their option at such specified meeting of the Senate as may from time to time be determined by the Syndicate:—

- (a) Persons on whom honorary degrees are conferred under Section 17 of the Indian Universities Act of 1904.
- (b) Persons who have qualified in the examinations held for a Master's or a Doctor's Degree.
- (c) Candidates who have passed the Degree Examination in Medicine, Agriculture, Commerce, Teaching, Engineering, and in the

* Regulations under Section 25 (2) (n) of the Indian Universities Act.

† In connection with the last sentence, see paragraph 6 of the *Senate Proceedings*, dated the 29th November, 1926.

case of Law those who have passed the examination in the First Division.

- (d) Candidates who have passed the examination of the Honours School in the Faculties of Arts and Science.

3. Candidates who have passed a Degree Examination other than those specified in Regulation 2 above, and have become qualified under the Regulations for admission to such degrees, shall be formally admitted to that degree as under:—

- (a) Those who have passed the examination as students on the rolls of an affiliated College shall receive their degrees in the same year, through the Principal of the College on such day and hour as may be specified by the Syndicate.

- (b) Those who have passed as private candidates shall be admitted to the degree by the Principals signing their admission forms along with their students, and in the case of others by the Vice-Chancellor once a year on a date specified for this purpose by the Syndicate.

4. If any eligible candidate does not intend to appear at the first Convocation after the sanction of his degree, he shall give at least three days' notice to the Registrar of his intended absence, and may then be admitted to his degree at any subsequent Convocation, provided that he gives at least seven days' notice to the Registrar of his intention to appear.

Notes—1. Recognised medals and prizes shall be awarded to the persons entitled thereto at the Convocation.

2. The certificates of the students who have passed the Oriental Titles diplomas from a College shall be sent to the Principal concerned for despatch to the candidates and the certificates of the other candidates shall be sent to them by post by the University.

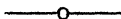
5. If any candidate fails to give such notice of intended absence or appearance, he shall pay rupees ten to the University before he is admitted to his degree.

6. If any candidate has not offered himself for admission to the degree in the manner provided for in Regulations 2 and 3 above, he may apply to the Vice-Chancellor to be admitted to his degree in absence. Such application shall be accompanied by:—

(i) in the case of an undergraduate who seeks admission to a degree more than two years after the sanction of his degree, a certificate of good character signed by the Principal of a College or a Deputy Commissioner;

(ii) a fee of rupees ten if he gave proper notice of his intended absence from Convocation. otherwise of rupees twelve.

7. On the receipt of such application, the Vice-Chancellor shall consider it and may declare the applicant to be admitted to this degree in absence.



PART V.—MISCELLANEOUS.



XV.—FINANCIAL RULES.*

1. The accounts of the University shall conform to the official year.

2. The accounts of the University shall be kept by the Registrar, or under his orders.

3. All funds or moneys belonging to the University shall be kept in the Imperial Bank of India in the

* Regulations made under Section 25 (1) of the Indian Universities Act.

name of the Panjab University under the following distinct heads :—

- (a) Special Endowed Trusts,
- (b) Current Account,
- (c) Provident Fund;

and such other heads as may be determined by the Syndicate from time to time.

4. No transfers shall be made from accounts (a) or (c) to any other account except under the express order of the Senate.

5. All property belonging to the University shall be held under Section 2 (3) of the Act of Incorporation, XIX of 1882, in the name of the University of the Panjab, and for the purpose of drawing interest upon, or transferring any part of, such Government Stock or Government Promissory Notes as is held in the name of the University of the Panjab, the Vice-Chancellor and Registrar shall be jointly authorised to do all acts necessary for such purpose.

6. It shall be competent for the Senate or the Registrar subject to the control of the Syndicate to direct that any uninvested balance at credit of any particular trust or trusts, or of any other University Account, shall be invested in Government securities for the benefit of the Account concerned.

7. It shall be the duty of the Registrar to see that all sums granted to, and accepted by, the University for specific objects, such as the establishment of a Readership, a Professorship, or a Scholarship, or for the grant of a money prize, a medal, or other special reward, shall be invested, wherever practicable, in Government securities and brought to credit under the proper head of Account.

RECEIPTS.

8. All sums paid in on account of the University shall be received by the Registrar or in the case of the Colleges maintained by the University by the

Principal of the College and shall be forthwith sent by him to the Imperial Bank of India for credit to the Account concerned, and shall not be used by him to meet current expenditure.

9. No sale of any securities held in the name of the University shall be made except under the express order of the Senate.

10. That all subscriptions or donations shall be immediately reported to the Syndicate, and that all subscriptions or donations, exceeding Rs. 500 in amount, shall also be reported to the Senate at the meeting next after the receipt of the same. The Senate or Syndicate (as the case may be) shall thereupon decide how the sums so received are to be credited and applied.

EXPENDITURE.

11. All bills for payment shall be checked in the Registrar's Office, and signed by the Registrar or Assistant Registrar as correct, but no payment shall be made except under the signature of the Registrar. When the sanction of the Syndicate or Senate is required to the payment of any bill, the Registrar shall obtain such sanction before passing the bill, and shall endorse on the bill a reference to the order in question.

12. Payments shall be made by cheques, drawn by the Registrar and signed by him. All expenditure shall be incurred subject to the Budget allotment for the year and to the rules regulating the powers of the Syndicate or Senate to sanction expenditure.

*13. The Registrar shall have power to pass and pay all fixed charges provided for in the Budget as well as fees to Examiners, Printer's bill, Temporary staff, ordinary contingencies and such other bills as are approved by the Syndicate from time to time.

* The powers of the Registrar under this regulation are limited, as given in paragraph 18 of the *Syndicate Proceedings*, dated the 4th of November, 1921).

But he shall obtain the sanction of the Syndicate before passing or paying any other charge.

14. To meet petty expenditure, an advance of Rs. 500 shall remain in the hands of the Registrar, for which he shall be personally responsible.

BUDGET.

15. A Budget shall be prepared under the direction of the Board of Accounts and submitted for the orders of the Senate not later than the 15th March of each year. It shall show the receipts and expenditure of the Current Account of the ensuing year in annexed form, and shall contain a statement showing the entire assets and liabilities of the University, including all properties and investments, and special endowments which have been accepted by the University.

16. In the Budget credit shall be taken for the amount of the interest and profits of the General Endowment Fund, the amount of the Government grant for subscriptions and donations estimated with reference to the average receipts from this source during the previous three years, excluding from this average any subscriptions given for investments or of exceptionally large amount, and for income from fees calculated in the same way.

AUDIT.

17. In addition to the official Auditor appointed by Government for the purpose of auditing the Annual Accounts, an Auditor for the purpose of internal audit shall be appointed by the Senate. The Auditor shall hold office for two years, and may be re-appointed. He shall receive such remuneration as may, from time to time, be sanctioned by the Senate.

18. The accounts of the University shall be audited half-yearly or oftener, as the Syndicate may direct.

19. It shall be the duty of the Auditor appointed by the Senate to submit through the Board of Ac-

counts brief half-yearly Audit Report to the Senate, and to see—

- (a) that the accounts of the University are properly kept;
- (b) that the state of the balance shown therein agrees with the Bank's account;
- (c) that all payments are supported by proper vouchers, and that they are under proper sanction; and
- (d) that all receipts and payments are classified in accordance with the Rules and Regulations of the University.

It shall also be the duty of the Auditor to prepare and submit an annual audit report on the accounts of the University to the Senate, and certified by him to be correct.

ACCOUNTS.

20. The Registrar shall keep an account (1) of all Special Endowed Trusts; (2) of the Current Account; and (3) Provident Fund and such other heads as may be determined by the Syndicate from time to time.

21. The Registrar shall prepare an Annual General Statement showing in detail the state of each of these three accounts, which shall be checked and countersigned by the Auditor. This General Statement shall then be submitted to the Senate. The Registrar shall also cause the statement to be published for general information in the *Panjab Gazette*.

22. The Registrar shall maintain the following books of accounts and forms:—

BOOKS.

1.—For Special Endowed Trusts:—

- (a) A Cash Book.
- (b) A Ledger, exhibiting a separate personal account for each trust.
- (c) A Bank Pass Book.

II.—For Current Account—

- (a) A Cash Book.
- (b) A Classified Register of Receipts.
- (c) A Classified Register of Expenditure.
- (d) A Bank Pass Book.

III.—For Provident Fund Account—

- (a) A Cash Book.
- (b) A Ledger, exhibiting a separate personal account.
- (c) A Bank Pass Book.

23. Once a half-year the account books of the University for previous six months shall be laid before the Board of Accounts, and when passed shall be signed by the Chairman.

24. All vouchers in support of items of expenditure shall be retained for a period of eight years. Vouchers more than eight years old may, at the discretion of the Registrar, be destroyed, provided that all accounts or documents relating to trusts, donations and subscriptions shall be preserved.

BOARD OF ACCOUNTS.

25. The Board of Accounts shall consist of the Vice-Chancellor as President, the Dean of University Instruction, one representative of the Syndicate, and three representatives of the Senate, as Members, and the Registrar as Secretary. It shall be appointed annually not later than in the month of November and the Board so constituted shall commence office from 1st January following.

26. Members of the Board shall be eligible for re-appointment at the expiration of their office. All vacancies in the Board occurring between two annual elections shall be filled up by the Syndicate.

27. The Board shall meet ordinarily every three months and at other times when convened by the Vice-Chancellor.

The Board shall consider ways and means and make recommendations, when necessary, to the Syndicate on

all matters relating to the finances of the University, and they shall supervise the preparation of the Annual Budget by the Registrar and report on the same to the Syndicate.

27-A. As regards expenditure, the Board shall have power to expend sums of money voted by the Senate on objects for which they have been voted and to sanction unforeseen expenditure not exceeding Rs. 500 in a year. All proposals for new expenditure shall, before submission to the Syndicate, be considered in the first instance by the Board.

28. When a Joint-Registrar has been appointed, the duties assigned to the Registrar under these Financial Rules shall be discharged by either the Registrar or the Joint-Registrar as from time to time may be determined by the Syndicate.

29. In the absence from Lahore of the Registrar or of the Joint-Registrar, to whom such duties are assigned under Regulation 28 above, his duties may be discharged by such person as may be authorised by the Syndicate in this behalf.

APPENDIX TO FINANCIAL RULES.

Consolidated Balance Sheet of the Panjab University Current, Endowment and Trusts Account for the official year 1907-8, and of the Oriental College Account for the official year 190

Dr.	TOTAL.	Cr.	TOTAL.
To Current Account	By Bank of Bengal Current Account	...
" Special Endowed Trusts Account, viz.—	...	" " Special Endowed	...
Alfred-Patiala Translatorship	...	Trusts	...
Alexandra Readership	...		
McLeod-Kashmir Sanskrit Readership	...		
McLeod-Kapurthala Natural Science	...		
Readership	...		
Mayo-Patiala Engineering Readership	...		
McLeod Panjab Arabic Readership	...		
Alfred-Jind Nabha Scholarship	...		
Bahawalpur Arabic ditto	...		
Amritsar-McLeod Memorial Scholarship	...		
Fuller Exhibition	...		
Jind Panjabi Scholarship	...		
Patiala Gurmukhi Scholarship	...		
Brandreth Registrar's Prize	...		
Jaishi Ram Medal	...		
MacLagan Prize	...		
Inayat Ali-Watson Medal	...		
Ditto Griffin Prize	...		
Alwar Medal	...		
Rai Kanhya Lal-Pollard Prize	...		
Khalifa Muhammad Husain-Aitchison	...		
Medal	...		
Khalifa Muhammad Husain-Aitchison	...		
Jubilee Medal	...		
" Aitchison-Ram Rattan Scholarship	...		
TOTAL	...	TOTAL	...

XVI.—REVISED REGULATIONS FOR THE MANAGEMENT OF THE ORIENTAL COLLEGE.

1. The University shall maintain an Oriental College with the main object of promoting the advanced and enlightened study of Sanskrit, Arabic, Persian and such Indian vernacular languages as the Syndicate may appoint.

2. The management of the Oriental College (*hereafter called the College*), and of the School Department attached to the college, shall be vested in the Syndicate.

3. The Principal of the college shall be appointed by the Senate. The Regulations relating to the appointment, removal and control of the grant of leave to, and the making of provision for the retirement of, officers and servants of the University shall be applicable to the Principal.

He shall be under the orders and control of the Syndicate in all matters connected with the definition and discharge of his duties, and, except as otherwise provided, he shall, subject to such orders and control, have power over the internal discipline and arrangements of the institution.

4. The Syndicate shall, from time to time, determine the number, nature, and salaries of the staff and establishment of the college, with the exception of (a) the Principal, (b) the Readers, Translators, Lecturers and others on the endowment of the University or remunerated from Trust Funds held for that purpose by the University; and, with the exception of the Principal, shall have power to appoint, suspend, or dismiss any member of the staff or establishment;

* Provided that without the previous sanction of the Senate—

- (a) no office of which the salary is Rs. 50 a month or upwards shall be created, and no person shall be appointed to such office;
- (b) the salary of no office of which the salary is Rs. 50 a month or upwards shall be increased or reduced;
- (c) no member of the staff or establishment whose salary is Rs. 50 a month or upwards shall be dismissed;
- (d) one and the same person shall not hold two or more appointments on the staff of the college.

5. In all cases in which a member of the staff or establishment has been suspended or dismissed by order of the Syndicate, the order shall be subject to appeal to the Senate, who may pass such order as may to them appear proper.

6. A boarding-house shall be attached to the college.

7. Not later than the 30th November each year the Principal shall frame a budget for the year commencing 1st April next and ending 31st March thereafter, in such form as may from time to time be prescribed by the Syndicate, and forward the same to the Board of Accounts to be incorporated in the University Budget submitted to the Syndicate.

8. The system and courses of instruction in the college shall be so regulated as to conform to the regulations for the various examinations of the University in the Oriental Faculty and in Oriental Languages. Subject to this provision the Syndicate shall have full authority to fix the subjects of instruction and the language in which instruction shall be conveyed, and to regulate the time and manner of tuition and attendance.

9. The Syndicate may allot funds to provide for scholarships and stipends, to be tenable only in the Oriental College and its attached school, except in the

case of a female student, who may be allowed to study at home and be periodically examined as to the progress made by her by any person deputed by the Principal for that purpose.

The award of scholarships shall be regulated by the Syndicate and shall be strictly in accordance with merit as tested by examination, and subject to any general regulations of the University on that behalf. Their number and value, and the manner and condition of their award and tenure shall be published in the official Gazette.

If the holder of a scholarship fails to make satisfactory progress or is guilty of gross misconduct or laziness, or has been irregular in attendance, he shall, after due warning, be reported by the Principal to the Syndicate, who may diminish or withdraw the scholarship. Stipends shall be awarded by the Principal, subject to the control of the Syndicate.

10. Subject to the general control of the Senate the Syndicate shall fix, from time to time, fees for admission into and tuition in the college, and for residence in the boarding-house: provided that no increase of fees shall come into force until the beginning of an academic year in the month of May.

XVII.—REGULATIONS RELATING TO THE LAW COLLEGE.

1. The University shall maintain a Law College with the object of promoting a sound and enlightened study of Law.

2. The management of the Law College (*hereinafter called the College*) shall be vested in the Syndicate, subject to the control exercised by the Senate in any matter requiring the sanction of this body: Provided that all matters relating to the Law College shall be considered in the first instance by the Law College Committee appointed in the manner provided in Regu-

lation 3, and that the Syndicate may delegate to this Committee power to decide any matters not requiring the sanction of the Syndicate under the Regulations.

3. The College Committee shall consist of the Vice-Chancellor, the Dean of the Law Faculty, and three members of the Law Faculty, to be elected annually by the Faculty and two Heads of, or Professors in, Colleges of whom one shall not be a member of the Law College to be elected annually by the Syndicate in November of each year, and the year of office shall commence from the 1st of January following. If the Vice-Chancellor is Dean of the Law Faculty he shall nominate an additional member. The Registrar shall act as Secretary of the College Committee.

Three members shall form a quorum.

*4. Subject to the limits of expenditure sanctioned by the Senate, the Syndicate shall determine the number, nature and salaries of the staff and establishment of the College. All members of the staff and establishment, except part-time Law Readers, shall be appointed under the regulations relating to the appointment, removal and control of leave to, and the making of provision for the retirement of, officers and servants of the University.

Part-time Law Readers shall be appointed by the Syndicate: they shall not be entitled to leave, or to subscribe to the Provident Fund; but, subject to the general control of the Syndicate, may be granted temporary leave of absence up to 4 days by the Principal and for any period exceeding 4 days by the Chairman of the College Committee.

The College Committee shall have power to make emergency arrangements for carrying on the work of the College pending any orders by the Syndicate.

5. The Principal shall be under the orders and control of the College Committee in all matters connected

* Whole-time Law Readers not permitted to practise (*Syndicate Proceedings*, dated the 1st May, 1924, para. 18).

with the definition and discharge of his duties, and, except as otherwise provided, he shall, subject to such orders and control, have power over the internal discipline and arrangements of the institution.

6. Not later than the 30th November each year the Principal shall frame a budget for the year commencing 1st April next and ending 31st March thereafter, in such form as may from time to time be prescribed by the Syndicate, and forward the same to the Board of Accounts to be incorporated in the University Budget submitted to the Syndicate.

If the Principal's budget involves any increase in expenditure not previously sanctioned, and not previously recommended by the College Committee, the Committee shall be consulted and its opinion communicated to the Syndicate for consideration in connection with the University Budget.

7. Not less than six weeks before the opening of every session of the College the Principal shall submit, for the information of the Law Faculty, a statement of the course of lectures, instruction, and house-examinations proposed to be followed, during such session, in each class of the College. The Principal shall also report to the Law Faculty such alterations in respect of these matters as he may deem fit to make from time to time during the academical year.

8. The following fees shall be charged in the College:—

Rs. 40 upon admission or re-admission to the College:

Rs. 10 per mensem for the first year's classes and
Rs. 12 per mensem for the second year's
classes for the whole year of twelve months:

*Provided that when a candidate has qualified for any examination, and has been admitted thereto, but

* A failed student may at any time be permitted to attend lectures as a casual student on payment of full monthly fees (*Syndicate Proceedings*, dated the 24th April, 1931).

has failed to pass, and desires to continue in the College with a view to appearing again, he may be allowed to attend on payment of half the above monthly fees.

9. The College shall conform to all Rules and Regulations relating to Affiliated Colleges.

10. Any student who fails to pay his fees, or is absent during session without leave, for more than one month, shall be liable to be struck off the roll. But a student, who having passed one examination wishes to wait a year before beginning to attend the classes preparatory for the next examination, may keep his name on the roll on payment of a fee of Rs. 5 for the year in which he is not attending classes.

11. Every candidate shall submit with his application for admittance to the College—

- (1) a certificate of good moral character, signed by the Principal of the last College attended by him, or signed by a gentleman known to the Principal of the College or to any Magistrate in the district in which the candidate resides, and countersigned by such Magistrate; and
- (2) a certificate that he has passed the Examination for the Degree of Bachelor in the Faculty of Arts or of Science or of Commerce or of Agriculture of the University of the Panjab or (subject to the sanction of the Syndicate) of any other recognised University.

12. Admission to the course of lectures in Conveyancing and Pleadings shall be open to Bachelors of Laws of the University of the Panjab or other recognised Universities in India, to persons who have been admitted as Barristers in England or Ireland, and others who have attended the prescribed course of lectures for the Bachelor of Laws Examination of the Panjab University. The course of lectures shall extend over a period of six months and admission

to this class shall be made from a date fixed by the Syndicate which shall not be less than one week before the commencement of lectures.

* Tuition fee shall be Rs. 5 per mensem.

The Lecturer appointed to deliver the course of lectures shall submit to the Dean of the Law Faculty for approval two months before the commencement of the session a syllabus of lectures proposed to be delivered to the class. The course of lectures shall be so arranged as to enable a candidate to acquire a knowledge of Conveyancing and Pleadings both in English and in Urdu.

13. The scale of fees for the LL.M. Class shall be fixed by the Syndicate on the recommendation of the College Committee.

XVIII.—REGULATIONS RELATING TO THE HAILEY COLLEGE OF COMMERCE.

1. The University shall maintain a College with the object of promoting the study of Commerce.

2. The management of the College of Commerce (*hereinafter called the College*) shall be vested in the Syndicate, subject to the control exercised by the Senate in any matter requiring the sanction of this body. Provided that all matters relating to the College shall be considered in the first instance by the

* The fee to be paid in two instalments of Rs. 15 each—one in October and the second in January (*vide* paragraph 7 of the *Syndicate Proceedings*, dated the 21st April, 1933).

† The following is the scale of fees fixed by the Syndicate:—

(a) Tuition fee	...	Rs. 50 for the first term and Rs. 70 for the second term in each academical year.
(b) Admission fee	...	Rs. 60 (to be charged only from persons who are not graduates of the University of the Panjab).

College Committee appointed in the manner provided in Regulation 3, and that the Syndicate may delegate to this Committee power to decide any matters not requiring the sanction of the Syndicate under the Regulations.

3. The College Committee shall consist of the following :—

The Vice-Chancellor.

The Director of Public Instruction, Punjab.

The Director of Industries, Punjab.

One representative of Sir Ganga Ram Trust Society.

The Principal of the College.

Two representatives of the Syndicate.

One representative of the Commerce Faculty.

One member representing each of the following :—

(a) The Railway Department,

(b) The Banking interests,

(c) The Commercial Community,

(d) The Northern India Chamber of Commerce,
and

(e) The Accountants and Auditors.

One nominee of the Vice-Chancellor.

The Registrar shall act as Secretary of the College Committee.

The representatives of the interests mentioned in (a)–(e) above shall be selected in accordance with such *rules as may, for this purpose, be framed by the Syndicate from time to time.

The Vice-Chancellor shall be Chairman of the Committee, but in his absence, the members present at a

* The Syndicate, on the advice of the Hailey College of Commerce Committee, has decided that the Agent, North Western Railway, or his nominee, would represent (a), that (d) would nominate its representative, and that the Syndicate would nominate the representatives of (b), (c) and (e)—(*vide* paragraph 15 of its *Proceedings*, dated the 20th January, 1928).

meeting shall elect a chairman to preside at such meeting. The representatives shall be appointed in the month of November every two years in such manner as the Syndicate may from time to time determine and the year of office shall commence from the 1st of January following. The Syndicate shall take such steps as it considers necessary to constitute the first Committee the term of whose office shall expire on 31st December, 1929.

4. Should a vacancy occur in the Committee during the year, it shall be filled by the appointment of a new member by the body whose representative has ceased to act on the Committee, and the new member shall continue to act until the formation of the next Committee.

Four members shall form a quorum.

5. Subject to the limits of expenditure sanctioned by the Senate, the Syndicate shall determine the number, nature and salaries of the staff and establishment of the College. All members of the staff and establishment, except part-time Lecturers and Readers, shall be appointed under the regulations relating to the appointment, removal and control of leave to, and the making of provision for the retirement of, officers and servants of the University.

Part-time Lecturers and Readers may be appointed by the Syndicate; they shall not be entitled to leave, or to subscribe to the Provident Fund; but, subject to the general control of the Syndicate, may be granted temporary leave of absence up to four days by the Principal and for any period exceeding four days by the Vice-Chancellor.

The College Committee shall exercise all the powers of a Board of Studies in the Faculty of Commerce and shall have power to reappropriate funds from one Budget head to another within the budgetted allotment and to make emergency arrangements for carrying on the work of the College pending orders by the Syndicate.

6. The Principal shall be under the orders and control of the College Committee in all matters connected with the definition and discharge of his duties, and, except as otherwise provided, he shall, subject to such orders and control, have power over the internal discipline and arrangements of the institution.

7. There shall be a College test at the end of each of the first and second academic years and the Principal shall have power to detain such students as fail to attain the required standard of efficiency.

8. Not later than the 30th November each year the Principal shall frame a budget for the year commencing 1st April next and ending 31st March thereafter, in such form as may from time to time be prescribed by the Syndicate, and forward the same, through the Committee, to the Board of Accounts to be incorporated in the University Budget submitted to the Syndicate.

9. The scale of fees shall be fixed by the Syndicate on the recommendation of the Committee.

10. The College shall conform to all Rules and Regulations relating to Affiliated Colleges.

XIX.—*REGULATIONS RELATING TO RESEARCH STUDENTSHIPS.

1. The endowments previously applied to the appointment of University Readers and Translators, shall be applied to the appointment of Research Students. These appointments shall be called:—

- (1) The Alexandra Studentship.
- (2) The McLeod-Kashmir Sanskrit Studentship.
- (3) McLeod-Panjab Arabic Studentship.

* A person, if otherwise qualified, may hold two University Studentships while abroad (*vide* paragraph 6 of the *Academic Council Proceedings*, dated 28th March, 1928).

- (4) The Mayo-Patiala Studentship.
- (5) The McLeod-Kapurthala Natural Science Studentship.
- (6) The Alfred-Patiala Studentship.
- (7) R. B. Kanhiya Lal Mathematics Studentship.
- (8) R. B. Kanhiya Lal Physics Studentship.

2. The appointment of Research Students shall rest with the Academic Council.

3. When an appointment is to be made, the Registrar shall issue a special notice to each member of the Academic Council, stating the name and nature of, and special conditions (if any) attached to, the vacant endowment. This notice shall be issued at least one week before the meeting of the Academic Council at which the appointment is to be made.

4. The emolument of the Alexandra Studentship shall be Rupees Seventy-five per mensem, that of each of the other Studentships an amount corresponding to the net income of each endowment during the tenure of the appointment.

5. The tenure of each Studentship shall in the first instance be for two years, but may be renewed by the Academic Council for a period not exceeding two years, so that the entire period shall not exceed in any case four years.

6. Each Research Student shall work under the direction of a Principal or Professor, nominated for the purpose by the Academic Council, who shall report annually to the Academic Council on the Student's progress.

7. The Academic Council shall have power to suspend at any time the payment of a Student's emolument, and if after enquiry it appears that the conditions of the appointment are not being satisfactorily fulfilled, to terminate the appointment.

8. Besides the regular annual vacations, leave for urgent reasons may be granted to Research Students for any terms not exceeding two months in two years.

The power of granting this leave shall be vested in the Principal or Professor under whose direction the Student is working up to ten days at one time, and for longer periods in the Syndicate.

9. In the event of any Research Student desiring to resign his appointment, he shall be required to give three months' notice to the Registrar of such intention before abandoning his work; if he fails to give such notice, he shall forfeit the emolument of three months.

10. Each Research Student shall be required to pursue an advanced course of study or special line of research to be approved by the Academic Council at the time of appointment.

The Academic Council may invite applications for specific lines of research. All applicants, whether themselves proposing a subject for investigation, or proposing to adopt a subject suggested by the Academic Council, shall give a clear statement of the method they propose to employ.

11. A Research Student shall not ordinarily be required to lecture to a class, but if he is attached to the Oriental College, or to a teaching department of the University, he may be called upon to do so temporarily, in cases of emergency.

Every Research Student shall be required to deliver in one term of the second and each subsequent year of his tenure of the Studentship a short course of lectures on the subject of his work. These lectures shall be open to all members of the University. The Alexandra and Alfred-Patiala Students shall also give a popular course of lectures in vernacular on the subject of their work, if this is considered to lend itself to such treatment.

12. A Research Student shall not join any College except for the purpose of attending lectures bearing on the subject of his work, or for delivering lectures*

* Teaching work not to exceed ten periods a week (*Synd.*, dated the 21st April, 1922, para. 17).

in the same, or, in an allied subject, as a part-time lecturer in an affiliated College, nor shall he prepare for an examination in any other subjects.

If a Research Student accepts any other appointment for any date previous to the expiry of his tenure of his Studentship, he shall thereby forfeit the Studentship, and shall not receive any further emolument beyond what he has been actually paid.

13. The results of each Research Student's work, if considered of sufficient merit, and if not published elsewhere, shall be published by the University.

The Alexandra Studentship.

14. This shall be open to a graduate of the Panjab University who has distinguished himself in History, and who possesses the linguistic equipment necessary for the work undertaken.

The study or research work may relate to any aspect or portion of Oriental History, provided that two consecutive appointments shall not be devoted to work not connected with the History of India.

The McLeod-Kashmir Sanskrit Studentship

15. This shall be open to a graduate of the Panjab University who has distinguished himself in Sanskrit.

The study or line of research undertaken may relate to any aspect or portion of Sanskrit, Pali, or Prakrit literature, to the history and comparative study of these languages, or to the epigraphy of the same.

In special cases where the nature of the work renders it desirable the Student may work away from Lahore as, e.g., in a place where there is a large collection of manuscripts or in the camp or office of an officer of the Archæological Department, provided that without the special sanction of the Syndicate he shall not be so absent for more than six months in one year, that he shall report on his work every month, and that, if possible, he shall be under the supervision of some person approved for this purpose.

The McLeod-Panjab Arabic Studentship.

16. This shall be open to a graduate who has distinguished himself in Arabic.

The study or research work may relate to any aspect or portion of Arabic literature, to the history of the Arabic language, the comparative study of Semitic languages, to the influence of Arabic literature on any other literature, or to Arabic epigraphy. In special cases the Student may work away from Lahore under conditions similar to those laid down for the McLeod-Kashmir Sanskrit Studentship.

The Mayo-Patiala Studentship.

17. This shall be open to a graduate in English and Sanskrit or Arabic.

The research work may relate to the general study of Indian Aryan Vernaculars, to the special study of a particular dialect, or group of dialects spoken in the territories of the University, to the critical study of the older forms of Hindi, Panjabi, and the like, or of more modern literature in a vernacular current in the territories of the University.

The McLeod-Kapurthala Natural Science Studentship.

18. This shall be open to a distinguished graduate who has taken the degree of M.Sc. of the Panjab University in Physics, Chemistry, Zoology, Comparative Anatomy, Botany, Geology or Physiology. The Studentship shall not be awarded unless a suitable candidate offers himself. In the absence of a suitable candidate a fresh election shall take place in the succeeding year.

The Studentship shall, in the first instance, be tenable for three years, but the out-going incumbent may, in special cases, be re-appointed for a period not exceeding two years.

The Student shall be required to carry out original research under proper supervision in a subject approved by a Special Committee appointed for the purpose.

The Student shall be required to submit to the Special Committee at the end of each academic year a report of the research work he has been conducting, sent through the Professor under whom he is working, who shall be asked to give his opinion on the merits of the work done by the Student.

If, in the opinion of the Special Committee, the work done by the Student is not satisfactory, the Studentship shall be declared vacant.

The Alfred-Patiala Studentship.

19. This shall be open to a graduate who has distinguished himself in any subject, and satisfies the Academic Council that he is sufficiently qualified for the work undertaken.

The study or research work may relate to any aspect or portion of the following, provided that two consecutive appointments shall not be devoted to work not connected with the Panjab, and that ordinarily two consecutive appointments shall not be devoted to closely related subjects:—

- (1) Zoology of India.
- (2) Botany of India.
- (3) Geology of India.
- (4) Anthropology of India, including Anthropometry, study of Custom and Folk-lore.
- (5) Archæology of India, including Architecture and Numismatics.
- (6) History of any Oriental Art, Craft or Science.
- (7) Practical applications of Chemistry.
- (8) Any Oriental Language or Literature not admissible for other Studentships.

R. B. Kanhiya Lal Mathematics Studentship.

20. This shall be open to a graduate of the Panjab University who has distinguished himself in Mathematics. The study or line of research undertaken may relate to any branch of Mathematics.

R. B. Kanhiya Lal Physics Studentship.

21. This shall be open to a graduate of the Panjab University who has distinguished himself in Physics. The study or line of research undertaken may relate to any branch of Physics.

XX.—REGULATIONS RELATING TO
ACADEMICAL COSTUME.

1. In these regulations "ordinary" academical costume includes a black cap and gown without hood or sash, and "full" academical costume includes in addition a hood or sash and for doctors a scarlet instead of a black gown.

2. Full academical costume shall be worn by all Fellows and all Graduates of the University, and may be worn by all Graduates of other Universities, at Convocation and on such other ceremonial occasions as the Syndicate or Vice-Chancellor may appoint.

3. Ordinary academical costume shall be worn by all Fellows at meetings of the Senate.

4. If a Fellow is a graduate of any University he may wear either the costume of his degree, or the costume to which he is entitled as a Fellow.

5. Fellows and Graduates of the University are entitled to wear academical costume as follows:—

CHANCELLOR.

Gown.—Black damask silk with gold lace and tufts similar to the Chancellor of Oxford.

Cap.—Black velvet academical cap with gold tassel.

VICE-CHANCELLOR.

Gown.—The same with silver lace and tufts.

Cap.—The same with silver tassel.

REGISTRAR.

Gown.—The same with black silk lace and tufts.

Cap.—Black velvet academical cap with black silk tassel.

FELLOWS.

Gown.—A black gown with full sleeves (similar to the Oxford M.A.).

Sash.—Of the same with gold fringed ends.

Cap.—As for Registrar or white pagri.

GRADUATES.

Doctor of Oriental Learning.

Gown.—(Full) A scarlet silk gown. (Ordinary)
As for Fellows.

Hood.—Scarlet lined with pearl grey.

Cap.—As for Registrar.

Master of Oriental Learning.

Gown.—The same as for Fellows with plain sleeves.

Sash.—Of the same colour and texture as the gown, but bordered with claret-coloured silk an inch wide and fringed with the same.

Cap.—Black stuff academic cap or white pagri.

Bachelor of Oriental Learning.

Gown.—A black stuff gown (pattern similar to Oxford B.A.).

Sash.—Similar to M.O.L. with drab silk border.
Cap.—As for M.O.L.

Doctor of Literature.

Gown and Cap.—As for D.O.L.
Hood.—Crimson lined with white.

Master of Arts.

Gown and Cap.—Similar to the Oxford M.A.
Hood.—Black lined with claret-coloured silk.

Bachelor of Teaching.

Gown and Cap.—As for B.O.L.
Hood.—Black lined with peacock blue.

Bachelor of Arts.

Gown and Cap.—Similar to the Oxford B.A.
Hood.—Oxford shape: Black lined with light-blue silk but without fur.

Doctor of Laws.

Gown and Cap.—As for D.O.L.
Hood.—Scarlet lined with dark blue.

Bachelor of Laws.

Gown and Cap.—As for B.O.L.
Hood.—Dark blue lined with white.

Doctor of Medicine.

Gown and Cap.—As for D.O.L.
Hood.—Scarlet lined with dark mauve.

Master of Surgery.

Gown and Cap.—As for M.O.L.
Hood.—Light mauve lined with white.

*Bachelor of Medicine.**Gown and Cap.*—As for B.O.L.*Hood.*—Black lined with plum-coloured cloth.*Doctor of Science.**Gown and Cap.*—As for D.O.L.*Hood.*—Scarlet lined with gold-coloured silk.*Master of Science.**Gown and Cap.*—Similar to the Oxford M.A.*Hood.*—Orange lined with white.*Bachelor of Science.**Gown and Cap.*—Similar to the Oxford B.A.*Hood.*—Black lined with white.*Bachelor of Science (Agriculture).**Gown, Cap and Hood.*—As for B.Sc.*Master of Science (Agriculture).**Gown, Cap and Hood.*—As for M.Sc.*Bachelor of Science (Engineering).**Gown and Cap.*—Similar to the Oxford B.A.*Hood.*—Navy blue lined with gold coloured silk.*Bachelor of Commerce.**Gown and Cap.*—Similar to the Oxford M.A.*Hood.*—Black Alpaca lined with white silk and
with deep orange-coloured border.

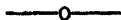
6. The holders of Oriental Literary Titles shall be entitled to wear the following costume on ceremonial occasions :—

Maulvi Fazil, Shastri and Munshi Fazil

Gown as for B.A. White pagri.

7. Candidates for admission to any degree except that of Doctor in any Faculty shall wear at Convocation the costume of the degree to which they seek admission.

A candidate for the degree of Doctor in any Faculty shall assume the costume of such degree immediately after his admission to such degree.



VI.

THE UNIVERSITY, 1933.

PATRON.

His Excellency the Right Honourable the Earl of
Willington, P.C., G.C.S.I., G.C.M.G., G.C.I.E., G.B.E. .

SENATE.

	Faculty.								Date of appointment.	
	O	A	L	M	S	Ag.	C	E		
CHANCELLOR.										
His Excellency Sir Herbert William Emerson, K.C.S.I., C.I.E., C.B.E., I.C.S.	Oct. 5, 1931.	
VICE-CHANCELLOR.										
A. C. Woolner, Esq., C.I.E., M.A., F.A.S.B.	O	A	L	M	S	Ag.	C E		
FELLOWS APPOINTED EX- OFFICIO UNDER SECTION 5 OF THE INDIAN UNI- VERSITIES ACT OF 1904.										
The Chief Justice of the High Court of the Punjab	O	A	L	..	S	..	....

	Faculty.								Date of appointment.
	O	A	L	M	S	Ag.	C	E	
The Bishop of Lahore ..	O	A	..	..	..	..	..	..
The Director of Public Instruction in the Punjab ..	O	A	L	M	S	Ag.	C	E	
The representative of His Highness the Maharaja of Kashmir (Khan Bahadur Mirza Sir Zafar Ali, КТ.) ..	O	..	L	..	..	..	..	..
The representative of His Highness the Maharaja of Patiala (B. N. Khosla, Esq., M.A.) ..	..	A	..	..	..	..	C	..	
The representative of His Highness the Nawab of Bahawalpur (Lt.-Col. Maqbool Hassan Kureishy, M.A., LL.B.) ..	..	A	L	..	..	..	..	..
The representative of His Highness the Maharaja of Jind (B. L. Dhingra, Esq., M.D., L.R.C.P., M.B.C.S., C.I.E.) ..	..	..	..	M	..	..	..	..
The representative of His Highness the Maharaja of Nabha (Lala Bhagwan Das, B.A.) ..	O	A	..	..	..	..	..	..
The representative of His Highness the Maharaja of Kapurthala (S. Arbel Singh, B.Sc.) ..	O	..	..	..	S	..	..	..
The Director of Public Instruction, N.W.F. Province, Peshawar ..	..	A	..	..	..	..	..	..

	Faculty.								Date of appointment.
	O	A	L	M	S	Ag.	C	E	
FELLOWS ELECTED BY THE REGISTERED GRADUATES UNDER SECTION 6, SUB- SECTION (2), SUB-CLAUSE (a) OF THE INDIAN UNIVERSITIES ACT OF 1904.									
Lala Devi Dyal, B.A., D.A.-V. College, Lahore ..	..	A	..	..	S	..	..	E	April 3, 1929.
Lala Jagan Nath Aggarwal, M.A., LL.B., M.L.A., Advo- cate, High Court, Lahore..	..	A	L	..	..	..	C	..	Ditto.
Rai Bahadur Lala Durga Das, B.A., LL.B., Advocate, High Court, Punjab, Lahore ..	..	A	L	..	..	..	..	E	March 8, 1930.
Lala Gulshan Rai, B.A., LL.B., Sanatan Dharam College, Lahore ..	O	A	..	..	..	..	..	..	Ditto.
Professor Ruchi Ram Sahni, M.A., F.C.S., Lahore Road, Lahore ..	O	..	..	..	S	..	..	..	Ditto.
Bakhshi Ram Rattan, B.A., B.T., Principal, D.A.-V. Col- lege, Lahore ..	..	A	..	..	S	..	..	..	March 10, 1931
C. L. Anand, Esq., M.A., LL.B., Bar.-at-Law, Principal, Law College, Lahore ..	..	A	L	..	..	..	..	..	Ditto.
Mukand Lal Puri, Esq., M.A., M.L.C., Bar.-at-Law, Lahore	O	A	..	..	..	..	..	..	March 31, 1932
Nanak Chand Pandit, Esq., M.A., M.L.C., Bar.-at-Law, Lahore ..	O	A	..	..	..	..	..	..	Ditto.

	Faculty.								Date of appointment.
	O	A	L	M	S	Ag.	C	E	
Lala Mehr Chand, M.A., M.Sc., Professor, D.A.-V. College, Lahore .. .. .	..	A	..	..	S	..	..	..	March 10, 1933.
FELLOWS ELECTED BY THE FACULTIES UNDER SECTION 6, SUB-SECTION (2), SUB- CLAUSE (b) OF THE INDIAN UNIVER- SITIES ACT OF 1904.									
<i>By the Oriental Faculty.</i>									
Sh. Siraj-ud-Din Azar, M.A., M.O.L., Govt. Intermediate College, Pasrur ..	O	A	..	..	..	..	..	..	April 14, 1931.
<i>By the Arts Faculty.</i>									
Sardar Teja Singh, M.A., Pro- fessor, Khalsa College, Amritsar	O	A	..	..	..	..	..	..	Feb. 21, 1933.
<i>By the Law Faculty.</i>									
L. Mehr Chand Mahajan, B.A., LL.B., Advocate, High Court, Punjab, Lahore ..	..	A	L	..	..	..	C	..	June 23, 1932.
<i>By the Medical Faculty.</i>									
Lt.-Col. P. B. Bharucha, O.B.E., D.S.O., F.R.C.S., L.R.C.P., I.M.S., Professor of Surgery, K.E. Medical Col- lege, Lahore .. .. .	..	..	..	M	S	..	..	..	April 9, 1930.

	Faculty.								Date of appointment.
	O	A	L	M	S	Ag.	C	E	
<i>By the Science Faculty.</i>									
S. R. Kashyap, Esq., R.B., B.A., M.Sc., I.E.S., Govern- ment College, Lahore .. .. .	..	A	..	..	S	Ag.	..	..	May 9, 1929.
FELLOWS NOMINATED BY THE CHANCELLOR UNDER SECTION 6, SUB-SECTION (2), SUB- CLAUSE (c) OF THE IN- DIAN UNIVERSITIES ACT, 1904.									
Khan Bahadur Sayed Maqbool Shah, I.E.S. (Retd.), 11, Warris Road, Lahore	O	A	..	..	..	..	..	..	Jany. 4, 1929.
H. R. Stewart, Esq., F.R.C.Sc., I.A.S., Director of Agricul- ture, Punjab, Lahore .. .. .	..	..	..	..	S	Ag.	..	..	Jany. 24, 1929.
S. N. Das Gupta, Esq., M.A., F.C. College, Lahore .. .. .	..	A	..	..	S	..	..	..	March 18, 1929
Lala Sain Das, M.A., B.Sc., 13, Temple Road, Lahore .. .. .	..	A	..	..	S	..	..	..	Ditto.
M. Afzal Husain, Esq., M.A., M.Sc., I.A.S., Principal, Pun- jab Agricultural College, Lyalpur .. .. .	..	..	..	..	S	Ag.	..	..	April 15, 1929.
P. C. Speers, Esq., B.Sc., Pro- fessor, F.C. College, Lahore .. .. .	..	A	..	..	S	..	..	E	April 19, 1929.
M. Mohammad Shafi, M.A., Vice-Principal and Univer- sity Professor of Arabic, Oriental College, Lahore	O	A	..	..	..	..	..	..	April 22, 1929.

	Faculty.								Date of appointment.
	O	A	L	M	S	Ag.	C	E	
Sardar Sahib Bawa Udham Singh, B.Sc., B.T., Head Master, S.B.B.S. Khalsa High School, Lahore ..	O	A	.	.	.	.	.	.	July 28, 1929.
Miss L. M. Stratford, B.A., M.B.E., Model Town, Lahore	O	A	.	.	.	.	.	.	July 30, 1929.
Rai Bahadur Mr. Man Mohan, M.A., Inspector of Schools, Lahore Division, Lahore ..	O	A	.	.	.	.	.	.	Sept. 30, 1929.
Miss I. T. McNair, M.A., Principal, Kinnaird College, Lahore .. ..	.	A	.	.	.	.	.	.	Oct. 21, 1929.
G. C. Chatterji, Esq., M.A., I.E.S., Professor, Government College, Lahore ..	.	A	.	.	S	.	.	.	Nov. 21, 1929.
Dr. S. S. Bhatnagar, D.Sc., F.INST.P., University Professor of Physical Chemistry, Lahore .. ..	.	A	.	.	S	.	.	E	Nov. 24, 1929.
Lieut.-Colonel T. A. Hughes, M.A., M.D., Sc.D., B.Ch., B.A.O., D.P.H. (Dub.), M.R.C.P. (Lond.), I.M.S., Professor, K.E. Medical College, Lahore .. ..	.	.	.	M	S	.	.	.	May 17, 1930.
Khawaja Dil Muhammad, M.A., Professor of Mathematics, Islamia College, Lahore	O	.	.	.	S	.	.	.	June 11, 1930.
Dr. Muhammad Iqbal, M.A., Ph.D., University Professor of Persian, Oriental College, Lahore	O	A	.	.	.	.	.	.	Ditto.

	Faculty.								Date of appointment.
	O	A	L	M	S	Ag.	C	E	
Sardar Bahadur Bhai Bishan Singh, B.A., I.E.S. (Retd.), Principal, Khalsa College, Amritsar	O	A	..	..	..	..	..	..	July 18, 1930.
M. Mohd. Shafi, M.A., Head Master, Islamia High School, Sheranwala Gate, Lahore	O	A	..	..	..	..	..	..	Sept. 9, 1930.
S. Jodh Singh, M.A., Professor, Khalsa College, Amritsar ..	O	A	..	..	..	..	..	E	Nov. 5, 1930.
The Hon'ble Malik Sir Firoz Khan Noon, KT., Minister for Education, Punjab, Lahore .. ..	..	A	L	..	..	..	..	..	Dec. 1, 1930.
Manohar Lal, Esq., M.A., M.L.C., Bar.-at-Law, Lahore	O	A	..	..	..	..	C	..	Feb. 11, 1931.
The Hon'ble Mr. Justice Kanwar Dalip Singh, B.A., Bar.-at-Law, Judge, High Court, Punjab, Lahore ..	..	A	L	..	..	..	..	..	Ditto.
Dr. Umar Hayat Malik, M.A., LL.B., M.Sc., PH.D., Professor of Mathematics, Islamia College, Peshawar ..	..	A	..	..	S	..	..	..	March 6, 1931.
Capt. H. Whittaker, B.Sc., A.M.I.C.E., A.M.I.M.E., A.M.I.E.E., Principal, MacLagan Engineering College, Mughalpura ..	..	..	..	..	S	..	..	E	March 7, 1931.
The Hon'ble Justice Sir Abdul Qadir, KT., K.B., B.A., Bar.-at-Law, Judge, High Court of Judicature at Lahore ..	O	..	L	..	..	..	C	E	June 17, 1931.

	Faculty.								Date of appointment.
	O	A	L	M	S	Ag.	C	E	
A. C. Woolner, Esq., C.I.E., M.A., F.A.S.B., Dean of Uni- versity Instruction, and Principal, Oriental College, Lahore	O	A							Oct. 5, 1931.
Lt.-Col. H. L. O. Garrett, M.A., I.E.S., Principal, Govern- ment College, Lahore ..		A			S				Oct. 15, 1931.
J. F. Bruce, Esq., M.A., Uni- versity Professor of History, Lahore		A							Oct. 26, 1931.
U. Kramet, Esq., B.A. (Cantab.), Professor of Eco- nomics, Islamia College, Lahore		A					C		Ditto.
Rev. Dr. E. D. Lucas, M.A., D.D., PH.D., Forman Christian College, Lahore..	O	A					C		Nov. 2, 1931.
J. E. Parkinson, Esq., M.A., I.E.S., Principal, Central Training College, Lahore ..		A			S		C		Nov. 11, 1931.
Khan Sahib Mian Amiruddin, B.A., Sub-Registrar, Lahore		A			S				Ditto.
Miss Edith Brown, M.D., D.B.E., Principal, Women's Medical School, Ludhiana ..				M					Jany. 3, 1932.
Dr. S. D. Muzaffar, M.A., M.Sc., PH.D., Professor, Maclagan Engineering College, Mu- ghalpura		A			S			E	Jany. 29, 1932.
Mian Mohammad Ibrahim, M.A., P.E.S., Principal, Mul- tan College, Multan ..		A			S				Feb. 9, 1932.

	Faculty.								Date of appointment.
	O	A	L	M	S	Ag.	C	E	
H. Martin, Esq., M.A., O.B.E., Principal, Islamia College, Peshawar	A	March 16, 1932.
Diwan Bahadur Raja Naren- dra Nath, M.A., M.L.C., Fair Field, Lahore	O	..	L	..	..	Ag.	..	..
Dr. Mohammad Sadr-ud-Din, M.A., D.LITT., Professor of Arabic, Government College, Lahore	O	A	..	..	..	..	..	..
Dr. Khalifa Shuja-ud-Din, M.A., LL.D., Bar.-at-Law, Lahore	O	A	C	..	Ditto.
Rana Abdul Hamid Khan, M.A., Principal, deMont- morency College, Shahpur	O	A	..	..	..	..	..	..
A. C. C. Hervey, Esq., M.A., I.E.S., Principal, Ludhiana Government College, Ludhi- ana .. .. .	..	A	..	..	..	..	..	..
Miss E. Hamilton-Browne, M.B., CH.M., D.T.M. & H., W.M.S., Offg. Principal, Lady Hardinge Medical College, New Delhi	M	May 21, 1932.
Colonel D. P. Goil, M.B., CH.B. (Edin.), F.R.C.S.E., I.M.S., Inspector-General of Civil Hospitals, Punjab, Lahore	..	..	..	M	S	..	..	..
Rai Bahadur Pandit Balak Ram Pandya, F.A.A. (London), Auditor and Notary Public, Lahore ..	..	A	..	..	..	..	C	..
	..	A	C	..	Sept. 30, 1932.

	Faculty.								Date of appointment.
	O	A	L	M	S	Ag.	C	E	
Miss T. E. M. Wright, B.A., Offg. Principal, Lahore College for Women, Lahore	..	A	..	..	..	..	..	..	Oct. 4, 1932.
S. Charan Singh, M.Sc., Professor, Khalsa College, Amritsar	O	..	..	..	S	Ag.	..	..	Oct. 12, 1932.
J. W. Thomas, Esq., B.Sc., B.COM., Principal, Hailey College of Commerce, Lahore .. ..	..	A	..	..	..	..	C	..	Nov. 11, 1932.
The Hon'ble Mr. Justice Tek Chand, M.A., LL.B., Judge, High Court, Punjab, Lahore .. ..	..	A	L	..	..	..	C	..	Jany. 7, 1933.
D. P. Johnston, Esq., A.B.C., sc.I., N.D.A., Agricultural College, Lyallpur ..	..	..	..	..	S	Ag.	..	..	Jany. 13, 1933.
Dr. B. A. Kuraishi, M.A., PH.D., Principal, Islamia College, Lahore ..	O	A	..	..	..	..	..	..	Jany. 15, 1933.
Khan Bahadur Sh. Nur Elahi, M.A., I.E.S., Assistant Director of Public Instruc- tion, Punjab, Lahore ..	O	A	..	..	..	..	..	..	Feb. 23, 1933.
Bawa Harkrishan Singh, M.A., Principal, G.N. Khalsa College, Gujranwala ..	O	A	..	..	..	..	..	..	March 28, 1933
K.B. Khwaja Abdur Rahman, M.B., CH.B., D.P.H., Asst. Director of Public Health, Punjab, and Professor of Hygiene, K.E. Medical College, Lahore ..	..	..	..	M	S	..	..	..	April 4, 1933.

[illegible]

SYNDICATE.

A. C. Woolner, Esq., C.I.R., M.A., F.A.S.B., *Vice-Chancellor.*

R. Sanderson, Esq., M.A., I.E.S., Director of Public Instruction, Punjab.

Manohar Lal, Esq., M.A., M.L.C., Bar.-at-Law.	} <i>Faculty of Oriental Learning.</i>
The Hon'ble Justice Sir Abdul Qadir, KT., K.B., B.A., Bar.-at-Law.	
M. Mohammad Shafi, M.A.	
Sardar Bahadur Sardar Bishen Singh, B.A.	

The Hon'ble Mr. Justice Tek Chand, M.A., LL.B.	} <i>Faculty of Arts.</i>
Rev. Dr. E. D. Lucas, M.A., D.D., PH.D.	
Khalifa Shujaud Din, M.A., LL.D., Bar.-at-Law.	
Lt.-Col. H. L. O. Garrett, M.A., I.E.S.	

Lala Devi Dyal, B.A.	} <i>Faculty of Science.</i>
Dr. H. B. Dunncliff, M.A., SC.D., F.I.C., I.E.S.	
Dr. G. Matthai, M.A., SC.D., F.R.S.E., I.E.S.	

The Hon'ble Sir Shadi Lal, KT., R.B., M.A., B.C.L., Bar.-at-Law, Chief Justice.	} <i>Faculty of Law.</i>
Rai Bahadur Lala Durga Das, B.A., LL.B.	

Lt.-Col. J. J. Harper Nelson, O.B.E., M.C., I.M.S.	} <i>Faculty of Medicine.</i>
Dr. K. A. Rahman, K.B., M.B., CH.B., D.P.H.	

ACADEMIC COUNCIL.

A. C. Woolner, Esq., C.I.E., M.A., F.A.S.B., Dean of University Instruction, *Chairman.*

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1912. Sept., Rev. Sir James Ewing, M.A., D.D., LL.D.
1914. Sept., Dr. Sir James Ewing, C.I.E.
1917. Feb., The Hon'ble Mr. H. J. Maynard, M.A.,
I.C.S., C.S.I.
1918. April, Lt.-Col. J. Stephenson, D.Sc., M.B.,
F.R.C.S., I.M.S.
1918. Dec., The Hon'ble Sir John Maynard, M.A.,
K.C.I.E., C.S.I., I.C.S.
1920. Nov., The Hon'ble Sir John Maynard, M.A.,
K.C.I.E., C.S.I., I.C.S.

1922. Nov., The Hon'ble Sir John Maynard, M.A.,
K.C.I.E., C.S.I., I.C.S.
1923. April, The Right Rev. H. B. Durrant, M.A.,
D.D. (*Cantab.*).
1923. Oct., The Hon'ble Dr. Sir John Maynard, M.A.,
D.LITT., K.C.I.E., C.S.I., I.C.S.
1926. July, The Hon'ble Sir Geoffrey Fitz Hervey de
Montmorency, M.A., K.C.I.E., K.C.V.O.,
C.B.E., I.C.S.
1928. Aug., The Hon'ble Mr. F. W. Kennaway,
I.C.S.
1928. Oct., A. C. Woolner, Esq., C.I.E., M.A., F.A.S.B.
1931. March, M. L. Darling, Esq., B.A., I.C.S.
1931. Oct., A. C. WOOLNER, Esq., C.I.E., M.A., F.A.S.B.
-

DEANS OF UNIVERSITY INSTRUCTION.

1921. Jan., A. C. Woolner, Esq., M.A.
1924. June, Manohar Lal, Esq., M.A., Bar.-at-Law.
1925. Oct., A. C. Woolner, Esq., C.I.E., M.A.,
F.A.S.B.
1931. March, Rai Bahadur Professor Shiv Ram
Kashyap, B.A., M.Sc., I.E.S.
1931. Oct., A. C. WOOLNER, Esq., C.I.E., M.A.,
F.A.S.B.
-

FELLOWS ELECTED BY THE SENATE TO THE LEGISLATIVE COUNCIL OF HIS HONOUR THE LIEUTENANT-GOVERNOR OF THE PUNJAB AND ITS DEPENDENCIES.

1909. Dec., Shadi Lal, Esq., M.A. (*Panjab*), B.A.,
B.C.L. (*Oxon*), Rai Bahadur, Bar.-at-
Law, Lahore, 15th December, 1909.

REPRESENTATIVES ON THE LEGISLATIVE COUNCIL. 421

1912. Dec., The Hon'ble Mr. Shadi Lal, M.A. (*Panjab*), B.A., B.C.L. (*Oxon*), Rai Bahadur, Bar.-at-Law, Lahore, re-elected 16th December, 1912.
1913. Aug., The Hon'ble Mr. Shadi Lal, M.A. (*Panjab*), B.A., B.C.L. (*Oxon*), Rai Bahadur, Bar.-at-Law, Lahore, re-elected 16th August, 1913.
1914. April, Sir P. C. Chatterjee, R.B., M.A., D.L., LL.D., C.I.E., KT., Lahore, 8th April, 1914.
1916. April, Fazl-i-Husain, Esq., M.A., Bar.-at-Law, Lahore, 1st May, 1916.
-

REPRESENTATIVES OF THE PANJAB UNIVERSITY CONSTITUENCY ON THE PROVINCIAL LEGISLATIVE COUNCIL.

1921. Jany., Manohar Lal, Esq., M.A., Bar.-at-Law, Lahore.
1924. Jany., Lala Ruchi Ram Sahni, M.A.
1927. Jany., The Hon'ble Mr. Manohar Lal, M.A., Bar.-at-Law, Minister for Education, Punjab, Lahore.
1930. Sept., MANOHAR LAL, Esq., M.A., BAR.-AT-LAW, Lahore.
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VII.

ANNUAL REPORT.

REPORT ON THE OPERATIONS OF THE
UNIVERSITY OF THE PANJAB, FOR THE
YEAR ENDING 30TH SEPTEMBER, 1932.

General.

During the period under report, the office of the Vice-Chancellor was held by Mr. A. C. Woolner, C.I.E., M.A., F.A.S.B.

The year under report has been in certain ways rather an eventful one. The Punjab Government has appointed a Committee of Enquiry whose recommendations, whatever they be, are likely to leave a definite impress on the structure, organisation and functions of the University. The heavy reduction in the Government grant has compelled the University to reduce expenditure in many departments. By means of this economy it has been possible to balance the budget without closing down any department. The mind of the University has been exercised on two very important matters, *i.e.*, the giving of a vocational bias to education with a view to enable our young men to make a living, thereby reducing the hardship caused by unemployment, and the question of instruction and examination up to the Matriculation standard in a Vernacular in all subjects except English. The decision on these important matters, however, will probably be influenced by any recommendations in

this connection that may be made by the Panjab University Enquiry Committee. The University has recognised the principle of physical training as a compulsory subject and has introduced it to begin with in the first year class.

Consistent with academic efficiency, efforts have been made to amend the regulations in such a way as to be helpful to the students. The Final Examination in Agriculture has been split up into two Parts—Part I and Part II—and the candidate can take Part I in one year and Part II in a subsequent year. Facilities have been provided for students who have taken their degree to qualify themselves subsequently in such of the subjects for the examination as were not offered by them while qualifying for the degree. Female candidates can now appear privately in the Law examinations. Graduates in Agriculture have been permitted to join the Law College and Masters in the Faculty of Agriculture have been made eligible to submit thesis for the Degree of Doctor of Science. In the Proficiency and High Proficiency examinations in the Oriental Titles and Vernacular Languages, students who are placed under compartment are permitted to appear in the supplementary examination in October as in other examinations, instead of appearing only at the time of the annual examination. The First Examination in Commerce has been made a College test instead of the University examination. The First, Second and Third Professional Examinations for the Degree of M.B.B.S. are now held twice a year instead of annually. A new Degree of LL.M. has been instituted in the Law Faculty. For the benefit of students who have passed the examinations for Diplomas and Literary Titles in Oriental Languages or the examinations in Vernacular Languages, and further wish to qualify themselves in English only, evening classes, on a monthly fee of Rs. 2, have been started in the Oriental College to prepare students in English only for the Intermediate

Examination. Evening classes have also been started to prepare students for the Hindi, Panjabi and Urdu examinations of this University on fees from Re. 1 to Rs. 2 per month. Both these evening classes are expected to be of great help to persons who are interested in the study of Oriental and Vernacular Languages and also wish to improve their knowledge of English language and literature.

The term of the membership of the Board of Studies has been increased from one year to two years, and the University Reader, in the absence of the University Professor, has been made an ex-officio member of the Board of Studies in the subject concerned. Regulations have been amended for the award of Government Scholarships on the results of the Matriculation and the Intermediate Examinations to candidates who fail to secure First Division but are otherwise qualified.

During the year under report, the Maclagan Engineering College, Moghalpura, Class A, has been affiliated to the University up to the B.Sc. standard in the Faculty of Engineering. This has strengthened the professional and vocational training imparted by the University. Political Science has been added to the list of elective subjects for the B.A. Examination and an M.A. Examination has been instituted in the subject. Honours School in History has begun to function. These are expected to develop civic responsibility on sound academic lines.

With effect from June last, physical training has been made compulsory in the case of the first year class. The habit thus acquired by the students at the beginning of the college life is expected to be kept up later on during the period of their college instruction. Strenuous effort has been made to safeguard against the alleged malpractices in prescribing various books as text-books. The steps taken include the expansion of the system of prescribing University Publications as text-books. This would not only yield some revenue to the University but would also enable

the students to buy better and cheaper books than at present.

The Government having discontinued its contribution, the University was constrained to invite Extension Lecturers to deliver lectures free of remuneration. It is very gratifying to note that all the Lecturers of the last year have responded to the invitation.

Under pressure of demand for education in the B.A. classes in the mofussil, the University has, subject to adequate safeguards for maintaining the level of efficiency, given extension of affiliation to Ramsukh Das College, Ferozepore, Ludhiana Government College, Ludhiana, and deMontmorency College, Shahpur Sadar, up to the B.A. standard.

The Punjab University Appointments Board has been abolished with effect from 1st January, 1932. The Punjab Government (Ministry of Education) has decided that, in view of the existing financial stringency, no State Scholarships for study abroad will be awarded from the year 1932 till further orders.

Rai Bahadur Mr. P. N. Dutt, B.A., Registrar, has been granted leave preparatory to retirement with effect from 1st January, 1933. Mr. Ishwar Das, M.A., LL.B., the Joint-Registrar, has been appointed Registrar. Mr. S. P. Singha, M.A., LL.B., the Assistant Controller of Examinations, has been appointed as Controller of Examinations.

The finances of the University continue to cause great anxiety. The annual Government grant during the last two years has been reduced by Rs. 1,25,000. The number of students taking up various examinations seems to have reached its maximum as will be seen from the detailed analysis under Examinations. So no further increase in income is possible from that source, nor is it desirable to increase the examination fees. The expenditure on examinations on the other hand has increased by extending the compartment system, holding six-monthly examinations, increasing the centres of examinations, and

by incurring further expenditure on more efficient supervision and secrecy work. In the year under report, a successful endeavour has been made to balance the budget by ruthless economy and suspension of all beneficent activities.

The total number of candidates appearing in the various examinations in 1932 was 34,700 as against 34,439 in 1931. In the Matriculation Examination there was an increase of 261; in the Intermediate (Arts and Science) of 236; in the B.A. (Arts and Science) of 208; in the B.Sc. Honours School of 8; in the M.A. (Arts and Science) of 37; in the Hindi Examinations of 351—the bulk of the increase being in the Proficiency Examination as last year: in the First Examination in Law of 144; in the B.T. of 14; in the B.Sc. Agri. (Old Group) of 6 and in the S.L.C. of 21 (78 against 57 of last year) candidates. There was a decrease of 7 in the LL.B. Examination; of 8 in the First Professional Examination for M.B.B.S.; of 31 in Final M.B.B.S. (October and April combined); and of 21 candidates in the F.Sc. (Agri.). The number of candidates in the Sanskrit, Arabic and Persian examinations fell considerably, there being a decrease of 149: 77 in Sanskrit, 30 in Arabic and 42 in Persian.

The number of candidates appearing in Panjabi (Persian Script) is very small, the total number of candidates in the various examinations being:—

Proficiency	...	...	15
High Proficiency	...	...	1
Honours	...	...	3

In spite of some slight increase this year in the number of candidates for the S.L.C. Examination it is clear that this examination has ceased to be popular among the candidates; and if the decrease goes on at this rate it is sure to die a natural death. The unpopularity of this examination is probably due to the fact, that in practice it does not serve the purpose

for which it was instituted. The employing bodies instead of preferring an S.L.C. to a Matric, do not, as a rule, regard the S.L.C. as being even equivalent to the Matric.

The general increase in the Vernacular Languages Examinations among the female candidates is another noticeable feature of the year under report. The total number of female candidates appearing in the various examinations in 1932 is 2,106 as against 1,641 of the last year. The steady increase in the number of female candidates is thus being maintained. The number of such candidates appearing in the Matriculation was 644 as against 507; in the Intermediate (Arts and Science) 179 against 128; in the B.A. (Arts and Science) 57 against 40; in the M.A. Examination 5 against 2; in the B.T. Examination 6 against 5; in the Medical Examinations 60 against 57; in the Hindi Examinations 982 against 704 (the bulk of the increase here being again in the Proficiency Examination); in the Gyani (Honours in Panjabi) Examination 37 against 32; and in the Munshi (Proficiency in Persian) Examination 8 against 2 of the last year. In the Sanskrit Examinations the number fell from 11 to 5, in the Budhiman (Proficiency in Panjabi) from 78 to 66 and in the Urdu Examinations from 50 to 38.

The following examinations were held for the first time this year:—

1. First Examination in Engineering.
2. Second Examination in Engineering.
3. Final Examination in Engineering (Mechanical and Electrical).
4. Diploma in Conveyancing and Deed-writing.

The supplementary examinations instead of being finished in two days, now require a complete date sheet like the annual examination, due to permission granted to candidates who fall sick during the annual examination to complete their examination with the

compartment students. This has meant a considerable delay in the publication of supplementary results. The probable remedy lies in reducing the number of days for marking in the case of examiners who have only a few papers to mark.

The pass percentage for the various examinations held in the year under report was more or less uniform with the last year except that there was a fall in the pass percentage in the Maulvi Examination from 64·7 to 45·4, in the Maulvi Fazil from 62·9 to 44·4, in the High Proficiency in Urdu from 58·2 to 23·7, in the Proficiency in Panjabi (Persian Script) from 75 to 60, in the B.Sc. Examination from 58·6 to 41·4, and in the B.Sc. Agriculture (Old Group) Examination from 57·9 to 45·3; and a rise in the pass percentage in the Proficiency in Panjabi Examination from 46·2 to 60·4, in the Honours in Panjabi from 33·9 to 46·4 and in the Second Professional M.B.B.S. Examination from 61·6 to 88·8.

The detailed statistical figures relating to the examinations will be found in Appendix I to this Report.

It is gratifying to note that during the year under report the Honours School in University Teaching. History has been instituted. The Academic Council gave, in accordance with the regulations, permission to start the School with effect from October, 1932. This meets on the Arts side a much-needed demand—the subject of History being offered by a very large number of students in the B.A. Examination. On the recommendation of the Academic Council, the subject of Political Science has been added to the list of subjects for the B.A. Examination, and an M.A. Examination in Political Science has been instituted. Schemes relating to papers and courses of reading therefor have been approved. Instruction for the M.A. would be provided on the inter-collegiate basis. Since some papers are common with certain other subjects, the instruction has been found without any cost to the University: the neces-

sary teaching power being available in Lahore to undertake the course prescribed.

The Academic Council, last January, considered the proceedings of its Committee appointed to draw up actual recommendations for the proposed course for Vocational Training in the Intermediate Examination. Some members were of opinion that it should be put on the same footing as Military Science and Vernacular and not be made a full elective subject. Others thought that it would be an easy alternative for a pass and the students taking it up would not be sufficiently well qualified to make a living. Everyone agreed that the ideal thing would be a Polytechnic but the opinion prevailed that so long as it was not established, the courses proposed would partly achieve the object by giving some vocational bias to education and by enabling our young men to earn a modest living. The courses proposed were in their opinion not mere hobbies but full of potential possibilities. The Council decided that Vocational Training be included in the list of elective subjects for the Intermediate Examination. The Senate considered the recommendations of the Council, agreed to by the Syndicate, in May, 1932, and after discussion, decided that the matter be referred to the Faculties of Arts, Science and Commerce, with a view to discuss the scheme in detail and report.

The Council, after considering the extracts from the proceedings of the various Boards of Studies as regards the practice followed by them in the appointment of examiners, has laid down certain rules for Master's Degree both in Arts and Science, on paper and thesis, and for examinations in Honours Schools as well as for Honours in the Bachelor's Examination. It has also appointed a Committee to examine the possibility of barring unsuitable combinations in the various examinations.

The members of the A.F. (I.) have been allowed to take Military Science as a subject in the examination,

but owing to the inequality of opportunities of training, the Council decided that there be two different syllabuses for the U.T.C. and the A.F. (I.) candidates but that the pass percentage of marks required for qualifying should be the same for both.

The Council considered the recommendations of the Board of Studies in Economics approved by the Arts Faculty relating to the alternative paper to thesis in the M.A. Examination. It was maintained by some members that the alternative would kill the thesis, would depreciate the standard, would discourage the spirit of enquiry in the student, would, on the whole, be a retrogressive step educationally, and would introduce two different standards. It was suggested that thesis should carry more marks than the alternative paper. Finally it was decided to refer back the recommendation to the Faculty with the remark that the Council was not convinced of the wisdom of the change and that it was inclined to favour the suggestion that the thesis should, if possible, carry higher marks.

The Academic Council considered the summary of opinions received from various colleges on the proposals made in Vice-Chancellor's Note on the "Biennial Examinations". The objection that the proposal would lower the standard of the B.A. seemed to be based on the assumption that four years' work could not be done in three years. The force of the objection regarding the lowering of the average age was recognised. The problem seemed also to be connected with the school education so far as the question of years spent in education was concerned. There seemed to be two alternatives: (a) 9 years in school, 3 years for the Intermediate, and 2 years for the B.A., or (b) 11 years in school and 3 years in college for the B.A. Some were of opinion that the school course could be reduced by one year by avoiding duplication in History, Geography, and Arithmetic. Others thought that it was better for the students to spend one more year in the college than in the school, and that the

addition of one year in the school would adversely affect about 75 per cent. of the students who after Matriculation do not join a college. It was even suggested that the Intermediate should be abolished as a University examination, the college promoting the student from the second to the third year—the Boards of Studies checking the college results. Ultimately the Council decided to invite the opinion of the School Board in the first instance as regards the length of the school course in reference to the scheme proposed and the opinions expressed thereon.

At the time of the institution of the Academic Council, no quorum was fixed for its meetings because its future was uncertain. The Council has gradually extended its activities and is playing a very important part in the academic life of the University. It was therefore considered desirable that a quorum should be fixed and a regulation has been added to fix it at nine.

The policy of deepening the spirit of research among the post-graduate students has been continued and the University, in spite of very gloomy financial picture, has, in addition to the endowed scholarships, found money for certain research studentships from its Current Account fund during the year. It is regretted that, owing to financial stringency, the proposal of organising certain public lectures by the University Professors and Readers to be broadcast to mofussil centres could not materialise.

The solicitude of the University in the academic welfare of the mofussil colleges is further evidenced by a grant of Rs. 3,000 to Khalsa College, Amritsar, during 1932-33, in spite of heavy reduction in Government grant, as remuneration for teaching in the Honours Schools in Chemistry and Botany at that College.

The research work in various University Departments was continued during the year as before and

a list of papers published during the year under review is given in Appendix II.

The work of various teaching departments is detailed below separately.

The number of students in the various classes during the year has been as follows:—

		G.C.	F.C.C.	I.S.C.	D.A.-V.C.	D.S.C.	S.D.C.	Kh.C.	Cs.St.	Total.
B.Sc. Pass—										
III Year	...	3	1	8	7	5	1	...	...	25
IV Year	...	1	...	6	5	2	...	...	1	15
B.Sc. Hons. School—										
I Year	...	2	...	1	...	...	...	...	...	3
II Year	...	4	3	...	1	...	...	...	...	8
III Year	...	...	4	...	...	...	...	7	...	11
M.Sc. ...	...	8	5	1	1	...	...	...	...	15

Two first classes were secured in the M.Sc. Examination and two in the B.Sc. Honours School Examination.

Mr. Pran Nath Mehra is working as a Research Scholar in the Department, having been awarded a Scholarship by the University. He is carrying on work on the Fern Flora of Mussoorie with special reference to Ecology and other questions in connection with the development of the Prothallus in some species.

S. Dyal Singh is carrying on his investigations on the Fungus Diseases of Citrus in the Punjab under Dr. Chaudhri. This work is being done with the help of the grant given by the Imperial Agricultural Research Council for the purpose.

Dr. S. L. Ghose is investigating the problem of the removal of "Neel" from the Sambhar Lake in Rajputana at the request of the North India Salt Department, which is an important problem as the

salt is rendered unfit for consumption on account of the enormous increase of these lower organisms occurring in the locality.

The members of the Department went on the usual Annual Botanical Excursion again to Mussoorie and its neighbourhood. A number of specimens have been added to the Herbarium and the Museum by the Professor from the Jumna Valley and the Bhagirathi Valley.

1. Seventy-one students attended the University classes in Zoology during the year 1931-32.

Zoology Department.

Honours School—

VI Year	...	...	6
V Year	...	...	7
IV Year	...	...	5
III Year	...	...	9
			<hr/>
			27
			<hr/>

B.Sc. (Pass)—

IV Year	...	...	25
III Year	..	...	19
			<hr/>
			44
			<hr/>

2. The results of the University Examinations in Zoology have been as follows:—

	No. of candidates.	No. of successful candidates.
B.Sc. (Honours School) ...	2	2
B.Sc. (Pass) ...	23	16

3. Sukh Dyal, M.Sc., has been awarded a University Research Scholarship of Rs. 75 per mensem for one year with effect from 1st April, 1932, to enable him to complete his research work on the "Spiders of Lahore".

4. Shadi Lal, M.Sc. (1930), has been appointed Demonstrator in Zoology in the Forman Christian College, Lahore.

5. Nazir Ahmad, M.Sc., has been appointed as a Farm Overseer in the Fruit Farm, Quetta, Baluchistan.

6. One hundred and five Zoological Institutions are sending publications in exchange for ours. Three hundred and fifty reprints have been received during the year 1931-32. The total number of reprints received uptill now is 1,709.

Professor S. S. Bhatnagar returned from England and rejoined his duties as
 Chemistry Department. Director of the University
 Chemical Laboratories on the
 1st of December, 1931.

It is gratifying to note that the magnetic interference balance devised in these laboratories has been put into the market as an international apparatus by the reputed firm of Messrs. Adam Hilger, Ltd., London, who have named this apparatus as the Bhatnagar-Mathur Interference Balance.

Professor H. B. Dunncliff and Dr. J. N. Ray have both carried on work for the Central Board of Revenue, Government of India.

Professor N. A. Yajnik of the Forman Christian College, Lahore, has been given the permanent status of University Reader in General Chemistry.

Professor S. S. Bhatnagar has been appointed as a member of the Advisory Board in India of the Institute of Physics of Great Britain and Ireland.

Dr. J. N. Ray has trained S. Kartar Singh Narang, M.Sc., for the Micro-analytical Laboratory which is one of the first of its kind in India.

Mr. Krishna Gopal Mathur, M.Sc., has been awarded the D.Sc. Degree in Chemistry of the Panjab University.

The following scholars have been maintained by the Punjab Chemical Research Fund, Lahore:—

1. Mr. Mulk Raj Verma, M.Sc.
2. Mr. Radha Krishan Luthra, M.Sc.
3. Mr. Ram Narain Mathur, M.Sc.
4. Mr. Mohd. Shafi, M.Sc.
5. Mr. Amanat Ullah, M.Sc.
6. Mr. Khushal Chand, M.Sc.

With grants from the Imperial Council of Agricultural Research, Professor Bhatnagar has embarked on a series of agricultural research work in which Dr. Bashir Ahmad, M.Sc., Ph.D., Mr. K. L. Bhagat, M.Sc., Dr. D. N. Goyle, D.Sc., and Dr. K. G. Mathur, D.Sc., are participating. In general, the effect of various ions on plant growth and the problem of the reclamation of the Kalabagh soil are being studied. It is needless to emphasise that investigations of this kind are intimately connected with the welfare of the province.

The Technical Chemistry Honours School has maintained steady progress during the year under report. The Technical Chemistry Department. demand for the School was evidenced by the large number of applications that were received for new admissions this year. The capacity of the laboratory accommodation was reached last year but with a view to provide technical training for as many young men as possible, larger laboratory space was made available for the First Year Class and it was thus made possible to admit 22 students in the First Year Technical Chemistry Honours School Class this year. As there was no more laboratory accommodation available, a large number of students was refused admission. There are 48 students in all the three years now and accommodation is provided for 10 M.Sc. and post-M.Sc. Research Students in the Technical Chemistry Laboratories.

In addition to the ordinary research work in Physical and Organic Chemistry, the School has continued to render service to the province by undertak-

ing research work connected with Industries. As a result of the research work carried on in the Technical Chemistry Laboratories under the direction of the University Professor of Technical Chemistry and Dr. K. Venkataraman, a company named the Indian Chemicals Manufacturers has been floated by some prominent gentlemen of Lahore, and it is hoped that it will soon be a very important industry for the province. The University Professor of Technical Chemistry has successfully completed his experiments on Preservation of Fruits and Vegetables and on the development of a simple sugar plant suitable for village use. The Soap and the Ceramics Departments have continued to render useful service to the public by giving technical advice and by undertaking necessary investigations. The Technical Chemistry Honours School has also helped a large number of individuals and concerns by carrying on analytical work for them.

Professor Rao was appointed to the Andhra University Commission last November, but could not take up the work as it was right in the middle of our full term.

Mr. K. K. Mitra, M.A., of the Government College, was awarded the Kanhya Lal Research Studentship.

There have been as many as fifty students in each of the M.A. classes, and the M.A. Examination has brought out six first classes. This continuous increase in numbers is in the nature of a problem.

During this year the Board of Studies, with the assistance of a special sub-committee, drafted a new curriculum of studies for the Intermediate and Pass B.A. Examinations, and for a proposed Honours School of History.

The courses of reading for the Intermediate Examination were simplified by the elimination of options and were more systematically related to the courses to be prescribed for the Pass B.A. Examination. The

principles which underlie the proposed new curriculum for the Intermediate and Pass B.A. Examinations are (i) that every Indian student who elects this subject should obtain a general, well-balanced acquaintance with the historical development of India from the earliest records to the present day; (ii) that he should become acquainted with the main factors in British and European History, especially in modern times, which are influencing present-day India; and (iii) that he should receive instruction in the privileges and duties of citizenship which are the resultant of these historical factors.

The details of these new courses, which have since been accepted and promulgated by the University, will be found on pages 808-11 and 831-36 of the University Calendar for 1932-33.

The Board of Studies further recommended the establishment of an Honours School of History. An examination in Part I of this School will take place at the end of the fourth year, and in Part II at the end of the fifth year. Graduates in this School will be eligible to proceed to the M.A. Examination at the end of the sixth year. The first M.A. Examination under the Honours School system will be held in 1936.

The modification of the teaching by the increased employment of the tutorial method has been developed during the year. More intensive training in research methods has been given to students preparing thesis for this examination. For this purpose the University Professor has organised the students in small groups, working under the personal guidance of an experienced teacher at the Public Record Office.

The number of students admitted to the M.A. classes has increased considerably during the past two years, and now includes candidates from Islamia, D.A.-V., Sanatan Dharma and Dyal Singh Colleges. Special arrangements were made by the University Professor to provide assistance in Lahore for candidates

for the M.A. from Khalsa College, Amritsar. Seven of these students attended classes arranged for them in Lahore. Approximately 110 students are attending the M.A. classes in the fifth and sixth years.

Mr. R. R. Sethi, M.A., has been compiling material for a University History, and a first draft of the History has been completed. It is hoped that the History will be published early in 1933.

A University Historical Society was formed in January, 1932, incorporating the Punjab Historical Society, which, after a period of several years of decadence, was wound up at the same time. The new Society received from the University a grant of Rs. 250 for the year. It has arranged a series of monthly meetings, from October to April, at which papers are read, and it has begun the publication of a Journal, of which two numbers are being issued each year. The Society is beginning to flourish and has already revived interest on the part of many who had severed association with the Punjab Historical Society.

Two monographs have been published during the year and one more is in course of publication, whilst certain researches have been published and certain others are on the point of appearing in the Journal of the Panjab University Historical Society.

The University has appointed Mr. R. R. Sethi, M.A. (Economics and History), temporarily for the ensuing year 1933, to assist the University Professor in the supervision of thesis work by M.A. students and in co-ordinating inter-collegiate post-graduate teaching. Mr. Sethi also acts as Honorary Secretary of the University Historical Society and as an assistant editor of its Journal.

Dr. L. C. Jain, M.A., LL.B., Ph.D. (London),
 Economics Department. joined his appointment as
 University Reader in Economics on the 1st October, 1931.
 Shortly after his arrival the Panjab University Eco-

nomics and Political Science Society was organised with a new Constitution which was approved by the Vice-Chancellor. The Society held nine meetings during the session at which besides a lecture by Professor P. A. Wadia, Dean of the Faculty of Arts, Bombay University, on "The World Economic Crisis" the following papers were read:—

Subject.	Author.
1. Some recent Tendencies in Economic Thought.	Mr. Manohar Lal, M.A. (Cantab.), M.L.C., Bar-at-Law.
2. Indian Exchange since 21st September.	Prof. Brij Narain.
3. The present position of the Pound sterling.	Dr. L. C. Jain.
4. Industrial Finance in India ...	Dr. I. Durga Prasad.
5. Morality and the State ...	Prof. G. C. Chatterjee.
6. Socialism ...	Prof. A. N. Bali.
7. David Ricardo ...	Daya Krishna (student, M.A. VI year Eco.).
8. Economic Nationalism ...	Sardari Lal (student, M.A. VI year Eco.).

For the first time, the Society published a printed summary of the papers read, in the form of a brochure.

In February, 1932, Dr. Jain delivered a series of lectures on Indian Currency and Exchange for the benefit of the B.A. Honours and B.Com. classes which were also attended by B.A. and M.A. students. He also participated in two public debates in the Forman Christian College and the Hailey College of Commerce on the subjects of recent currency changes and the gold exodus.

During the session the University Reader initiated an interesting experiment in training the fifth year students in individual research work. With their

assistance the compilation of a bibliography of articles on subjects of Indian Economics in all the leading journals of the world was begun. All the M.A. theses in Economics, in past years, were catalogued and housed in the University Reader's Room for ready use by the students. At the same time the scheme of a small library in Economics for purposes of study and research in charge of the University Reader was sanctioned.

The new University Reader was invited to work on the Punjab Board of Economic Inquiry and appointed on a Special Sub-Committee to study world population problems. Under his guidance Shadi Lal Bhalla, a student of the M.A. VI year, investigated the problem of association between yearly income and fecundity in two selected villages in the Punjab. The work was highly commended by the Board and approved by it as a model for further similar inquiries.

Dr. Jain continues to be a member of the Board of Studies in Economics and of the Faculty of Commerce in the Allahabad University. He has also been appointed a member of the Board of Moderators in Economics in the Lucknow University.

In May, 1932, the Syndicate specially permitted Dr. Jain to proceed to England for completing and publishing his researches on the Indian Monetary Problems. Dr. Jain's new book was completed by the end of September and taken over for publication by Messrs. Macmillan & Co. in England.

The result of the M.A. Economics Examination, 1932, was as follows :—

No. of candidates who appeared	...	35.	
No. of candidates who passed	...	28	{ 2 in I Division. { 9 in II Division. { 17 in III Division.

Arabic Department.

Forty-two students attended the University classes in Arabic :—

VI Year	...	...	6
V Year	...	...	5
IV Year (Honours)	...	...	15
III Year (Honours)	...	...	16

The Islamic History work was also done by the Department, as before, but no lectures were delivered to the M.A. classes in the year under report. Forty-four B.A. students attended these classes, as follows:—

IV Year	...	...	21
III Year	...	...	23

The results of the University classes in Arabic and Islamic History were as under:—

	No. of candidates sent up.	No. of successful candidates.
M.A. (Arabic) ...	6	5
B.A. Honours (in Arabic) ...	11	6
B.A. (Islamic History) ...	18	18

Out of the successful candidates of this year Sh. Nur Muhammad, M.A., has been appointed temporary Lecturer in the deMontmorency College, Shahpur Sadar. Similarly Pir Mohd. Hasan, M.A. (1930). H.P., H.A., has been appointed temporary Lecturer in the Lahore College for Women and Qazi Zahir-uddin, M.A. (1930), H.P., Lecturer in the Islamia College, Lahore. M. Sakha Ullah, M.A. (1930), is now holding the McLeod Arabic Studentship awarded by the University.

Mr. S. Azhar Ali, M.A., who had been allowed by the Cambridge University to spend the third year of his course for the Ph.D. at the Oriental College under the supervision of the University Professor of Arabic, has been granted his Ph.D. by the Cambridge University and is now working as Lecturer in the St. Stephen's College, Delhi.

One hundred and three MSS. (Arabic and Persian) were examined and reported upon for purchase by the University Library.

Six rotographs and transcriptions were obtained from Turkey (through the kind offices of Dr. H. Ritter) and from the Royal Asiatic Society, London. A transcript of a valuable old copy of *Mizān al-Hikma* of al-Khāzinī was made for the University Library locally from the original borrowed from Bombay.

One hundred and forty-six printed books were recommended for purchase by the Library.

Four issues of the Oriental College Magazine were published covering 648 pages.

A detailed report on the research work published by the Department is given in Appendix II.

Forty-four students attended the Sanskrit Department. University classes in Sanskrit:—

	Govt. College.	Oriental College.	D.A.-V. College.	S.D. College.	Total.
III Year	4	7	11
IV Year	...	2	3	2	7
V Year	...	1	5	4	15
VI Year	...	1	2	4	11

The results of University examinations were the following:—

	No. of candidates sent up.	No. of candidates successful.
Hons. in Sanskrit	...	4
M.A. in Sanskrit	...	10
		8

The following theses were presented as a compulsory part of the M.A. Examination in Sanskrit:—

1. Somadatta, Oriental College: Legends of the Sātapatha Brāhmana.

2. Dharma Paul, Oriental College: A concordance of the stanzas of the plays of Harṣa with a critical introduction.

3. Hari Krishan, D.A.-V. College: Kārikās on the

Pāraskara Gṛhya Sūtras by Renukācārya, critically edited for the first time from original MSS. with an introduction.

4. Jai Deva Sharma, D.A.-V. College: The commentary of Kupardisvāmī on Āpastamba Paribhāsā Sūtra, critically edited for the first time from original MSS. with an introduction.

5. Shadi Ram Joshi, D.A.-V. College: The commentary of Bhatta Nārāyana on the Gobhila Gṛhya Sūtra, critically edited for the first time from original MSS. with an introduction.

6. Narain Datta Diwan, Oriental College: The Srngārū sātaka of Bhartari Hari.

7. Veda Vrata, S.D. College: A concordance of Nīti Literature with an introduction on the common verses of Nīti Lit.

8. Ram Lal, S.D. College: Comparative study of Panchatantra, Hitopadeśa and Tantrākhyāyikā.

9. Mulkh Raj Bhatia, S.D. College: A critical study with an English translation of the first two cantos of the Yudhiṣṭhira Vijaya by Vāsudeva.

10. Man Mohan Anand, D.A.-V. College: A critical edition of the Nitisātakam of Bhartari Hari with an introduction.

Nos. 1, 3, 4, 5 and 7 were awarded first class.

The work of Mr. Raghunandan, M.A., on a grammar of Nurpuri dialect is nearing completion.

P. Shuchi Vrata, M.A., has finished the collation of MSS. of Devarāja's *Nighaṇṭubhāṣya*, the loan of which was secured for his use from the India Office Library, London, and the University Library, Munich.

Four issues of the Oriental College Magazine (Hindi) were published during the year.

The Ambikāpariṇaya campū by Queen Tirumatāmbā of Vijayanagar was edited from the only surviving MSS. by Lakshman Sarup in the May issue.

The commentary of Āturānanda on the RV. I. 164—earlier than Sāyanā was edited by P. Premanidhi in the August issue.

A Hindi translation of the Ambikāpariṇaya by MM. Giridhar Sharma and Purushottama Sharma was published in two issues.

Discussion of the meaning of a few Vedic words published in two issues is being incorporated in the New Etymological Vedic Dictionary being compiled by Vishvabandhu Shastri, M.A., M.O.L.

Sannipāta Candrikā, hitherto unpublished, was edited by Gauri Shankar, M.A., in the February issue.

Seventy-three students attended the University Persian Department. classes in Persian during the year under report:—

VI Year	...	...	11
V Year	...	...	11
IV Year (Honours)	...	...	24
III Year (Honours)	...	...	27

Nine students were sent up for the M.A. Examination and all of them passed, seven of them securing second class and the remaining two, third.

The University Professor took part, as in previous years, in the teaching of the Islamic History (III year) class in which 25 students attended.

The Alfred-Patiala Studentship continued to be held by S. Mohd. Abdulla, M.A., M.O.L., whose critical edition of the Lataif Nama-i-Fakhri (mentioned in last year's report) is now nearing its end; 250 pages of it have been published.

The syllabus of studies for M.A. was improved by the substitution of a full paper on the history of pre-Islamic Persia in place of half a paper on Philology (the remaining half on prosody has been combined with the paper on poetry). Moreover, the essay paper has been made alternative with thesis. Two of the students in the present VI year class are offering thesis instead of essay.

The following three students have taken up research for the D.Litt. Degree under the supervision of the University Professor:—

1. Mohd. Sharif Malik, M.A., LL.B., on "Abul Fazl".
2. S. Ghulam Mustafa, M.A., B.T., on "Tarikh-i-Baihaqi".
3. Q. Zahir-ud-din, M.A., H.P., on the "History of Seljuqs".

The subjects of their research have been approved by the Academic Council.

Ram Bheja Mall, M.A., M.O.L., formerly of the Persian M.A. class, has been taken as Professor of Persian in the D.A.-V. College, Hoshiarpur.

The University Professor delivered one of the Extension Lectures in March, 1932, on "The Persian Language in India's Past, Present and Future" at Gujrat, which was attended by the staff and students of the local Intermediate College and the gentry of the town.

There has been no change in the staff of the Observatory. The number of students in the two classes is as follows:—

Observatory Department.

IV Year	...	...	22
III Year	...	...	19

making a total of 41 as compared with 35 in the previous year. The investigation on Cepheid Variables has been carried on and 270 plates have been sent to Dr. Shapley, Director, Harvard University Observatory, in connection with the same, making a total of nearly 1,000 plates taken so far. We were requested by Dr. Shapley to assist him in investigations on Meteors. At present we find our time more than occupied with teaching and the photographic work we are engaged in, but we hope in the near future to take up this line of investigation and to be able to train observers for this work, provided funds are available. The Reader delivered a University Extension

sion Lecture in Patiala on "Our Wonderful Universe", illustrated by lantern slides.

The study of the subject is becoming popular and there are now four colleges affiliated to the University in French as against one previously. The alternative of taking up French in place of a classical language in the Intermediate Examination under certain conditions has removed one of the old grievances and is very much appreciated by the students concerned.

Apart from the University Classes there are now about 300 students studying French for the Intermediate Arts in the colleges: Dyal Singh College, Lahore, having at present 118 students under preparation for examination.

The results this year have been particularly gratifying specially in the case of the Advanced University French Class who study the syllabus under Regulation 17, for which they receive a certificate for French only which will entitle them to exemption from "Responsions" in the subject on entrance to foreign Universities.

Elementary Class.—Opened on the 1st of October, 1931, and closed after examination on the 31st March, 1932.

Results.

Number of candidates examined—13.

Passed in 1st Division (with distinction)	1
Passed in 1st Division	6
Passed in 2nd Division	5
Failed	1
	<hr/>
TOTAL	13
	<hr/>

Percentage of Passes—92 per cent.

Advanced Class.—Opened on the 1st of October, 1931, and closed after examination on the 31st May, 1932.

Number of candidates examined—6.

Passed in 1st Division (with credit)	...	5
Passed	... ..	1
		<hr/>
TOTAL	...	6
		<hr/>

Percentage of Passes—100 per cent.

There is need of a class for training teachers to teach French in the various colleges. In this respect candidates who have passed the Intermediate Examination in French under Regulation 17 would be most suitable for preparation as teachers, as they have acquired a good knowledge of the phonetics of the language without which teaching by modern method is a rank impossibility.

An invitation to attend the Fifth Centenary Festival at the University of Caen—Normandy, France (Birth-place of William the Conqueror), was received by the University but unfortunately we were unable to send a representative to attend the festival. An address was, however, sent to the *Rector* of the University of Caen acknowledging the invitation and wishing the University success in the festivities and good will to the Rector, staff and students of the University of Caen.

In accordance with a Resolution passed by the Punjab Legislative Council, the Punjab Government (Ministry of Education) has nominated the following Panjab University Enquiry Committee:—

The Panjab University Enquiry Committee.

1. Sir George Anderson, Kt., C.S.I., C.I.E., M.A. (Oxon), I.E.S. (Retired), *Chairman*.
2. A. C. Woolner, Esq., C.I.E., M.A., F.A.S.B., Vice-Chancellor, University of the Panjab.
3. A. Yusuf Ali, Esq., C.B.E., M.A., LL.M. (Cantab.), Bar.-at-Law, I.C.S. (Retired).

4. P. Seshadri, Esq., M.A. (Madras), Principal and Senior Professor of English, Government College, Ajmer.
5. A. F. Rahman, Esq., B.A. (Oxon), M.L.C.
6. Sardar Buta Singh, B.A., LL.B. (Panjab), M.L.C., Advocate, Deputy President, Punjab Legislative Council.

Mr. J. D. Penny, I.C.S., has been invited to act as Financial Adviser to the Committee, and Professor J. F. Bruce, M.A. (Syd. and Oxon), Professor of History, University of the Panjab, has been nominated as Secretary.

Mr. S. M. Sharif, B.A. (Cantab.), Bar.-at-Law, Deputy Inspector of Schools, Jullundur Division, has been nominated as Assistant Secretary.

The terms of reference to the Committee are as under:—

I.—To enquire into—

- (i) the extent to which the present system of University education meets the actual needs of the province;
- (ii) the amount of teaching given directly by the University and the degree of control exercised by the University over the teaching imparted in the colleges;
- (iii) the composition and powers of the several authorities of the University, and the powers and duties of the officers of the University;
- (iv) the administration of the University (including the quality of the teaching imparted by the University, the efficiency of the control exercised by the University over the teaching given in the colleges, and the facilities for research);
- (v) the income and expenditure of the University;

- (vi) the qualifications demanded from and previous training of candidates for admission to the University classes and to the affiliated colleges;
- (vii) the control exercised by the University over secondary education;
- (viii) the relations of the University and its associated institutions with Government; and

II.—To make such proposals (if any) as may appear to be advisable in each of these respects.

The Committee has issued the following questionnaire to various organisations and persons interested in education:—

I.—The University and the Province—

How far does the present system of higher education meet the actual needs of the province?

II.—The Form of the University—

- (a) Should a University, or Universities, of the unitary type, equipped for direct teaching, be established in the province? If so, at what place or places?
- (b) Can you suggest conditions favourable to the development of the University so as to bring about a satisfactory relation between the University and the colleges?

III.—The Governance of the University—

- (a) Are the several authorities of the University (Senate, Syndicate, etc.), as now constituted, sufficiently representative of educated public opinion in the province?

- (b) Are the functions, of the above-mentioned authorities and of the University officers, distributed in such a way as to result in (i) an efficient and expeditious despatch of business, and (ii) an adequate consideration of general educational policy and finance?

IV.—Administration of the University—

Have you any suggestions to offer upon the administration of the University, especially in respect of—

- (a) the procedure of the University office;
- (b) the regulation of the teaching departments;
- (c) the prescription of courses of study, and of text-books;
- (d) the conduct of examinations; and
- (e) the appointment of examiners?

V.—The Finance of the University—

- (a) Are the financial resources of the University employed in the most economical and advantageous manner?
- (b) Have you any suggestions to make in regard to the provision of an adequate and permanent income for the maintenance and development of its essential functions?

VI.—Admission of students to the University—

- (a) Have you any observations to make upon the control exercised by the University over secondary education?
- (b) At what stage should candidates be admitted for University training, as distinguished from secondary education?
- (c) Is the Matriculation Examination a satisfactory test (i) of the completion of the

school course, and (ii) of fitness for admission to the University?

VII.—Foundations of University Education—

- (a) Do the present Intermediate courses provide a suitable preparation for admission to the Degree courses?
- (b) Have the Intermediate Colleges achieved their declared object of providing a suitable secondary education of pupils up to the age of about 18 years and of relieving congestion in Lahore?

VIII.—University Teaching—

Have you any observations to make in regard to—

- (a) the nature of the teaching and research undertaken by (i) the University, and (ii) the colleges; and
- (b) the nature and extent of the control exercised by the University over the teaching imparted in the colleges?

IX.—The University and Government—

- (a) Have you any observations to make upon the relations of the University and its associated institutions with Government?
- (b) Do you consider it advantageous or the reverse (i) to the advancement of learning, (ii) to the public services, (iii) to the students that University examinations should be regarded as the qualifications for posts under Government? Would you advocate the practice, adopted in many other countries, of instituting special tests for the various kinds of posts under Government?

Advisory Work.—The work of advising was as heavy as last year. The enquirers

The Panjab University Foreign Information Bureau.

made much more use of the telephones both at the office and at the Secretary's residence. The

particulars of the correspondence work done this year stand as below :—

<i>Particulars.</i>	1924-25.	25-26.	26-27.	27-28.	28-29.	29-30.	30-31.	31-32.
No. of enquirers	... 555	727	886	1,556	2,756	4,005	6,203	5,983
No. of letters received	... 685	1,656	1,788	3,281	4,509	8,200	9,754	8,976
No. of letters issued	... 747	1,821	1,903	3,273	4,639	9,029	12,258	12,199

Applications for admission to British Universities.—

Due to uncertain and unfavourable political and economic conditions in the country, the number of applications for admission to British Universities did not rise. In all, 37 new students applied for admission; 24 of them were admitted, 5 rejected, and 8 are under consideration. As regards their having joined the respective institutions, the information so far received in this office shows that 12 have actually sailed, 18 are untraceable or not willing to go, and the remaining 7 hope to sail in the near future. The subjects for which these candidates applied were:—

(i) Engineering	...	...	12
(ii) Arts or Pure Science at Oxford or Cambridge	...	...	10
(iii) Teaching	...	...	3
(iv) Economics	...	...	5
(v) Medicine	...	...	4
(vi) Miscellaneous	...	...	3
TOTAL			37

In addition to the above, 45 applications for admission, etc., which had gone direct to the High Commissioner for India, Education Department, London, were forwarded by his department to this office for disposal.

Replies by Cables.—Though the Air Mail system was more commonly used in urgent cases, the use of cables could not be altogether dispensed with, and the amount handled for such purposes was as follows:—

Receipt.

(i) In Indian money	...	Rs.997-6-0
(ii) In British money	...	£69-10-8½

Payment.

(i) In Indian money	...	Rs.981-6-0
(ii) In British money	...	£69-10-8½

Cambridge School Certificate Examination.—Due to a fair demand, the permission of the Cambridge University to hold the Cambridge Junior Examination also at Lahore was obtained. In case of the School Certificate Examination also, the number of candidates rose from 117 in 1930-31 to 143. Other relevant particulars are as follows:—

School Certificate Examination.

Particulars.	1926	1927	1928	1929	1930	1931	1932
Candidates	... 27	32	46	78	99	117	142
Girls	... ..	...	1	3	3	11	10

Fees received for the years noted above were:—Rs. 951-4; 1,239-12; 1,654-12; 3,005; 3,654; 4,176-14; 5,080 respectively.

Junior Examination.

1. No. of candidates	...	12
2. No. of Girls	...	11
3. Fees	...	Rs. 299

Indian Students' Loan Fund.—We had six fresh cases under this head. In two cases, the students were yet in England, and successful attempts were made to induce their parents to revive their remittance towards their son's maintenance abroad. In the remaining four cases the amount recoverable was £119-3-9. £51-2-4 was realised in cash. The persons owing the remaining sum were either not traceable or had been too hard hit economically to repay their loan.

Four pending cases of last year were also pursued further, and a sum of £39-1-4 was further realised. Altogether the recovery amounted to £90-3-8.

General Remarks.—(1) The University Appointments Board having been retrenched on the 1st January, 1932, the work of correspondence as to conditions of employment, and the sale of the copies of the Compendium of Information were entrusted to this Bureau. This meant another additional charge besides the work of the University Enquiry Office, the Cambridge Local Examinations, and the Loan Fund Cases assigned to the Bureau during the past few years in addition to its original duties, but without making any extra provision in respect of its contingent fund.

(2) The Library of the Bureau continued receiving prospectuses, calendars, and regulations, as before, and was fully utilised by the students and their guardians.

(3) The following changes in the regulations of the foreign institutions deserve special mention here:—

- (a) The name of the London Day Training College has been changed to "UNIVERSITY OF LONDON—INSTITUTE OF EDUCATION".
- (b) The Royal Veterinary College, London, have increased the length of their course for the diploma of M.R.C.V.S. from 4 to 5 years, as from the 1st October, 1932.
- (c) The Degrees of the Aligarh, Andhra, Benares, Delhi, Nagpur, and Rangoon Universities have been recognised for exemption from the Preliminary Examination of the Institute of Chartered Accountants.

The College re-opened after the summer vacation on the 1st of October, 1931. The University Law College. maximum number of students on the rolls as compared with the figures of the preceding year was as follows:—

F.E.L. class	...	458	as against	292	in 1930-31.
LL.B. class	...	205	„	178	„
LL.M. class	...	5	„	nil	„
Conveyancing class	44	„	„	„	„
<hr/>					
TOTAL	...	712	„	470	„

With the increase in the number of students two additional part-time lecturers were appointed, and one of the part-time teachers was temporarily made whole-time. The staff during the session, besides the Principal, consisted of three whole-time Law Readers and ten part-time lecturers. In addition to these, two part-time teachers were appointed for the LL.M. class and one for the class in Conveyancing and Deed-writing. There were some changes on the part-time staff. On the expiry of their annual term the places of Mr. Nawal Kishore, M.A., LL.B., Mr. Mohd. Munir, M.A., LL.B., and Mr. Gobind Ram Khanna, M.A., LL.B., were taken by Mr. R. C. Soni, M.A., Barrister-at-Law, Mr. S. K. Ahmad, B.A., Barrister-at-Law, and Mr. P. M. Lall, M.A., LL.B. Mr. S. M. Haq, B.A., LL.B., one of the part-time lecturers, resigned with effect from the 4th of July.

The number of weekly lectures delivered to each section of the F.E.L. and LL.B. classes was 17.

A House Examination of the F.E.L. and the LL.B. classes was held in the month of December, the Sports Tournament was held in January and the Prize Distribution function in March. Five issues of the College Journal were brought out during the period under report.

The income of the College from fees (excluding examination fees) for the financial year ending the 31st March, 1932, amounted to Rs. 1,09,043-13-0 and the expenditure was Rs. 82,446-15-3.

Including private candidates 252 students sat for the Bachelor of Laws Examination and 457 for the

First Law Examination. The pass percentage, excluding compartment results, was 57·9 for the LL.B. and 60·6 for the First Law Examination.

Of the total number of 663 students on the rolls in the F.E.L. and the LL.B. classes, 282 resided in the College Hostel, 62 in recognised hostels and the remaining were permitted to stay with their guardians and relations.

The session for 1932-33 commenced on the 17th June. Three hundred and fifteen students were admitted to the LL.B. class in the summer term. Of these, 145 students joined the College Hostel. Owing to the delay in the publication of the B.A. results, F.E.L. admissions could not take place before the summer vacation.

The Oriental College Magazine was started in February, 1925. It is a quarterly published in February, May, August, and November. Its volume has been increased considerably during the year under report. It contains original literary articles connected with the various Oriental languages taught in this College. Oriental scholars have expressed their appreciation of this publication which serves a real need.

The total expenditure in connection with the College during the year ending 31st March, 1932, amounted to Rs. 96,385-11-4.

The number of students on the roll on 31st March, 1932, was 149. Of the students on the roll, 18 were scholarship-holders and 24 were in receipt of stipends as against 17 and 29 respectively in the previous year.

Fifty-nine students of the College passed in 1932 the various University examinations, 10 students the Matriculation (English only) Examination, and 49 students the M.A., the Honours and High Proficiency Examinations in the various Oriental Languages. Of the candidates sent up from the College 60·2 per cent. passed.

The system of House Examinations is continued, and the rules by which the award and tenure of stipends is made dependent on the result shown by students in the House Examinations have been strictly observed. An annual examination of seven written papers was held at the close of the session of the first year. The promotion to the second year took place in accordance with the results obtained by the students at the annual examination.

The research work published by the members of the staff during the period under report is given in Appendix II.

Dar-ul-Ulum Alsina Sharqia was associated with the Oriental College and Mahavidyala, Sultanpur, was associated provisionally.

The fifth session of the College ended in July, 1932. The third batch of students after completing the three years' course appeared in the Final Examination. Of these, 27 came out successful, 2 came under compartment, 7 failed and 1 absented himself from the examination. The admission this year was much better than the last year.

During the year under report the First Examination in Commerce which used to be held at the end of the first year has been abolished and in its place there will be a College House Examination at the end of each of the first and second academic years and the Principal is empowered to detain such students as fail to attain the required standard of efficiency.

To improve the standard of English it will now be taught in the I and II year classes while formerly it was only one year's course in the first year.

Panjab University
Library.

Expenditure on books.—Rs.
15,118 were spent on books as
detailed below:—

			Rs.
General books	...	...	11,680
Arabic books	...	...	1,214
Sanskrit books	...	...	1,008
Books on History (special)	...	...	1,216
TOTAL			15,118

Special Grant.—Rs. 1,216 were spent out of the special grant of Rs. 2,000 for History books.

Expenditure on Manuscripts.—Rs. 1,673 were spent on manuscripts including rotographs as under:—

	No. of manuscripts.	Rs.
(a) Arabic manuscripts ...	110	1,005.
(b) Sanskrit manuscripts ...	54	668
	164	1,673

All the manuscripts were examined by the University Professors of Arabic and Sanskrit before purchasing.

Periodicals.—Total amount spent on periodicals during the year under report was Rs. 8,517 including the Government grant of Rs. 308.

Binding and Mending.—The expenditure on binding 1,920 volumes as per detail below amounted to Rs. 2,491:—

	No. of volumes bound.
A.—General Section	1,430
B.—Oriental Section	490

Additions to the Library.—2,255 volumes were added to the Library during the year under report excluding the manuscripts. Of these, 1,808 volumes including accessions by bound periodicals were added

to the General Section, 246 volumes to the Arabic Section and 201 to the Sanskrit Section.

The total number of volumes excluding manuscripts in the Library on the 30th September, 1932, was 67,418 while that of manuscripts was 8,807 (Arabic manuscripts, 2,025; Sanskrit manuscripts, 6,782).

Books read in and outside the Library.—31,768 volumes were taken out by the members for home use. 29,721 volumes were consulted in the Reading Room and Reference Department. The total number of volumes referred to in or outside the Library was, therefore, 61,489.

The subjectwise analysis of books issued and consulted in all the reading rooms of the Library shows that Literature and Science command the highest figures:—

Books issued.

General Works	...	40	Useful Arts	...	96
Philosophy	...	1,386	Fine Arts	...	131
Religion	...	266	Literature	...	6,332
Sociology (General, Political Science, Economics, Law)	...	3,408	History	...	2,563
Philology	...	272	Biography	...	1,273
Science	...	4,258	Current periodicals	...	1,919
			Arabic	...	3,552
			Sanskrit	...	5,402

Books consulted.

General Works	...	1,111	Useful Arts	...	796
Philosophy	...	1,381	Fine Arts	...	216
Religion	...	365	Literature	...	3,220
Sociology (General, Political Science, Economics, Law)	...	2,400	History	}	2,320
			Biography		
Philology	...	617	Current periodicals	...	2,111
Science	...	2,913	Arabic	...	5,660
			Sanskrit	...	6,611

Loan of Manuscripts.—28 manuscripts and rotos were lent out to the University Professors and Research Scholars of the local and mofussil colleges on their executing bonds.

Inter-Loans.—

(a) *Loan to others.*—The requisitions of the Lytton Library, Muslim University, Aligarh; Benares Hindu University; Mysore University; Director of Industries, Punjab; Agricultural Chemist to Government, Punjab, Lyallpur; Director-General of Archæology in India and the Islamia College, Lahore, for the loan of books during the year under report, were duly complied with.

(b) *Loans from other Libraries.*—It is gratifying to note that borrowing of rare books and manuscripts from the European and Indian libraries for the use of the University Professors and Research Scholars is almost becoming a part of the daily routine of the Library and it has thereby increased its resources considerably. Fifteen manuscripts were borrowed from the undermentioned institutions, while one was borrowed from the University Professor of Arabic:—

Bombay Branch of the Royal Asiatic Society.

Wilson College, Bombay.

India Office Library, London.

Bhandarkar Oriental Research Institute, Poona.

Jumā Masjid, Bombay.

Fifteen rotos and 16 transcripts were secured from the Sanskrit College, Calcutta; Sanskrit College, Benares; Adyar Library; Oxford University Press; Master of Ceremonies, Bikaner; Mysore University; British Museum, London; Dr. H. Ritter, Archæologisches Institutes Deuschen Reiches; and Government Oriental Manuscripts, Madras.

Rare books and periodicals were also borrowed from the Punjab Public Library; Asiatic Society of Bengal; Imperial Library, Calcutta; and Royal Institute of Science, Bombay.

Seminar Libraries.—The Seminar Libraries for the Honours Schools of Chemistry and Zoology continued to work satisfactorily.

Membership.—During the year under report 853

graduates and students of the various Honours Schools including the staff members of the various colleges joined the Library. Two hundred and eighteen under-graduates obtained Readers' tickets. Thirty members joined the Arabic Section and 48 members were admitted to the Sanskrit Section.

Furniture.—Six teak wood open almirahs and one fire-proof fire-safe were added to the Library. The total expenditure during the year amounted to Rs. 660.

Receipts.—Rs. 436-12-9 (including Rs. 28 on account of the charges for photostat copies) were realised on account of delay fines, penalty for books lost or damaged, sale of Library Primers, postal charges and were remitted to the University office from day to day.

Deposits.—Rs. 1,720 on account of security deposits were deposited, out of which Rs. 440 were refunded.

Meetings.—The Library Committee met three times during the year under report to transact current business and thrice the papers were disposed of by the Committee, in circulation.

The following table shows the number of colleges that entered the various competitions in the P.U.S. Tournament during the season from 1st February, 1931 to 31st January, 1932:—

		MOFUSSIL COLLEGES.				
		Local	Degree.		Total.	Last
Events.		Colleges		Inter.		Season
1.	Hockey ...	9*	10	16	35	34
2.	Football ...	9	9	16	34	32
3.	Cricket ...	7	4	3	14	12
4.	Athletics ...	10	5	9	24	24
5.	Relay Races	5	1	1	7	10
6.	Cross Country	7	...	3	10	10
7.	Tennis ...	9	5	8	22	21
8.	Gymnastics	6	1	...	7	6

Events.	MOFUSSIL COLLEGES.				Last Season.
	Local Colleges.	Degree.	Inter.	Total.	
9. Swimming	6	...	1	7	7
10. Boxing ...	5	...	...	5	6
11. Wrestling ...	7	...	...	7	...
12. Gatka ...	6	...	...	6	...
13. Boat Races	7	...	...	7	8
14. Basket Ball	2	1	...	3	6
15. Volley Ball	7	5	9	21	19
16. Kabaddi ...	...	...	...	...	...

As stated last year, a decrease in entries whenever it occurs is due to local and temporary difficulties of time and money and raising teams of a suitable standard.

The money difficulty is particularly acute just now owing to the general economic depression, and this hits the mofussil colleges hardest because in addition to normal charges, each Club has to meet considerable travelling, board and lodging expenses in the course of the Tournament. The time has now come, and as soon as the P.U.S.T.C. is financially able to do so, it must make adequate provision in its budget to help mofussil colleges to meet this expense at least in part. In the interests of sports and sportsmanship it is suggested that each college should organise its Sports Committee efficiently with the Physical Director as Secretary and he should be responsible that entries on the proper forms, accompanied by the proper fees, reach the office of the P.U.S.T.C. according to the dates notified in each case. Unfortunately there are still too many breaches of the rules of sport and sportsmanship in our Tournament, chiefly in the mofussil. The main idea seems to be to win by all and every means, and not to be disgraced by defeat. If you do lose, find fault with grounds, referees, the crowd, etc., and protest immediately. This matter must be taken in hand by the Principals and staffs of colleges.

On the whole our monster Tournament comprising sixteen different events spread over a period of nine months, and embracing fifty colleges, has concluded another fairly satisfactory year. Our general standards continue to rise, and it is a source of satisfaction and pride that in the Indian Cricket Team sent to England, there were two of our University men—Jehangir Khan and Mohd. Nassar. In connection with the World's tenth Olympic games held at Los Angeles, one of the three members representing India in Athletics belonged to our University—Mehr Chand, and in the Hockey team that went to defend its title of World's Champions, two were on the rolls of this University—Gurmit Singh and Mohd. Jaffar, and three, quite recently students and still connected with the College Clubs—Lal Shah, Masood and Aslam.

During the season under review new records have been made in the Discus, Javelin, High Jump, Hop Step and Jump, Pole Vault, Cycle-race and Half-mile Relay race. The breaking of records has become quite a habit in the Punjab.

We now have five University Clubs functioning in Cricket, Athletics, Hockey, Football and Tennis. Their reports and accounts are to be considered separately. A North-Western India Football Association has lately been organised, and is likely to bring about an increased interest in Football, with a general raising of the standard of the game. The new arrangement of first and second leagues in Hockey and Football for Lahore colleges has worked well and is an undoubted reform from the point of view of the college concerned, and also of the P.U.S.T.C., for the matches are all fairly well balanced and are fewer in number than previously.

The distribution of the Tournament Trophies is again fairly even, though Government College retains the lion's share—Hockey, Athletics, Tennis Singles and Doubles, Boxing and Swimming. The Islamia College retained Cricket and the Relay Races, and

annexed Volley Ball, Wrestling and Gatka. The Islamia College, Peshawar, has taken away the Football championship. The S.D. College won Gymnastics. The Medical College won the Bumping Boat Races. The Dyal Singh College won the Cross Country Race.

Among the Intermediate Colleges the Hindu Sabha has been most successful, winning the Cricket, Tennis Singles and Doubles. Multan won the Football, and Ludhiana Hockey.

Games and sports are an important part of the programme of Physical Training. There is thus a good deal of overlapping of the activities of the Panjab University Sports Tournament and of the Department of Physical Training. Since the appointment of the Director of Physical Training the events comprising the Tournament have been doubled and the Tournament now lasts from October to June each year, as against its conclusion in January previously. More events and a bigger competition has meant that larger numbers of students take part in games and sports and this is evident.

Apart from the Tournament itself, there are University Sports Clubs for Cricket, Hockey, Football, Athletic and Tennis organised to encourage the University spirit in the colleges, and to promote Inter-University contests. These Clubs are now well-established, and constitute an important feature of University sporting activities.

With the introduction of Boxing, Wrestling and Gatka in the Tournament, the Director of Physical Training had to arrange for Instructors for these sports and personally supervise the coaching of students from various local colleges each evening. This was made possible by a special grant of Rs. 500 from the University. Now that this grant has been discontinued, and also due to the fact that these sports have "caught on", colleges are arranging their

own Instructors with the help of the Director of Physical Training and training their own students.

Athletic coaching is another regular feature of the Director of Physical Training's work in connection with the Tournament. This is done twice a week, Tournament and other fixtures permitting, from October to January. It has contributed in no small measure to the high standard of Panjab University Athletics in the province and India.

There is no doubt in the supremacy of games and sports over gymnastics, callisthenics and formal Physical Training classes for the purpose of developing health, physique and character in the average student who is normally healthy and active. The latter type of activities are certainly more important where body-building, correction and quickening are required, *i.e.*, for the sedentary and subnormal, and it is with this group that a Physical Director's chief work lies. The fit and active can and will continue their health, physique and character-building games and sports, under the direction of other members of the staff if necessary and convenient, but the Physical Director must concentrate on physico-medical examinations and measurements, and then on the prevention and correction of ordinary postural and functional defects that are remediable, quickening and setting-up exercises, etc., for the sedentary and subnormal.

It is gratifying to note that out of 42 Arts Colleges 29 have appointed Physical Instructors. The Director of Physical Training has kept in touch with these colleges by means of correspondence and of visits to most of them. In the case of most non-Government colleges the Director of Physical Training has been able to help in selecting suitable men and then arranging for their training at Madras in the National Y.M.C.A. College of Physical Education. It is felt necessary to mention here the fact that the total amount for subvention is too small for appreciable

help to all, and some smaller colleges, where the need is actually greater, have either got very little help or none at all. On the other hand certain colleges have come to regard some assistance as essential before they make any serious efforts of their own.

In Lahore the Director of Physical Training is in constant touch with the Arts Colleges and their Physical Directors. There is not sufficient time available to be able to watch the work in each college as often as necessary, but College Physical Directors come and discuss their work, difficulties, etc., with the Director of Physical Training in his office and on the playgrounds, and send him their reports from time to time.

In the mofussil the Director of Physical Training has been able to visit most of the colleges to see their playgrounds and hostels, to explain to them what Physical Training is and implies, to interest them in it, to help them in selecting and training suitable Physical Directors, or to help the Physical Directors themselves in their work and programmes, and generally to assist colleges to work out the scheme of Physical Training approved by the University. Some mofussil colleges remain to be visited.

The activities of the Panjab University Sports Tournament have increased in interest and scope so much during the last few years that their organisation and conduct over the whole academic year do not leave the Director of Physical Training sufficient time for the development and supervision of Physical Training in the many Arts Colleges. The Director of Physical Training is left single-handed to develop and supervise Physical Training in 6 Arts Colleges in Lahore, and 36 in the mofussil, and to conduct the Tournament such as it is. In this state of affairs one or other must suffer, and most unfortunately, in the nature of things, Physical Training is not receiving nearly enough attention.

With compulsory Physical Training in operation

from June this year it is necessary that every college should have adequate provision for imparting the training. Larger colleges would have to appoint more than one instructor. Every college should also make arrangements for medical examinations, consultation, prescription and service. The Director of Physical Training should be given some assistance so that he can be freed from much of the routine work connected with the many activities, fixtures and ramifications of the Panjab University Sports Tournament during the most important part of the year, *i.e.*, October to March.

The membership during the year was as follows:—

Panjab University	Government College 9, Islamia
Cricket Club.	College 6, Law College 1, Hindu
	Sabha College, Amritsar 3,
	Khalsa College, Amritsar 2, and Ludhiana Govern-
	ment College 1.

The receipts for the year amounted to Rs. 1,463-5-6 and the expenditure to Rs. 1,417-11-0. There were no donations.

Seven matches were played, of which one against the Calcutta University was lost. The one against the Lahore Gymkhana was a draw. Those against East Survey, Mohan Bagan Peshawar Club, Chail and the Northern India Cricket Association were won. Against other Universities we are always handicapped by our very strict eligibility rules, such as do not exist elsewhere.

The programme for the next year consists of nine matches including H.E. Governor's XI, Calcutta University and All Ceylon XI.

The season opened with more than 50 per cent. of the old members having graduated from colleges, thus reducing the strength considerably, but these were quickly replaced by recruits. About 90 per cent. of the Corps attended the Annual Camp held at Shahdara

The Fourth (Lahore)
Bn. University Train-
ing Corps.

from 4th November to 2nd December, 1931. Training reached a higher standard than in previous years. The Corps was inspected by H.E. the Governor of the Punjab, the G.O.C. Lahore District, and other inspecting officers. Five hundred and fifty-two members completed the Musketry Course and obtained a good standard. The "Mesopotamia Cup" for all-round efficiency was won by Islamia College, Lahore. The "Minto Ali" Shooting Cup was won by "A" Company. The "Vice-Chancellor's Cup" was won by Sergeant Habib Ullah of Islamia College, Lahore.

To foster the competitive spirit for regular attendance and all-round efficiency, it was decided to introduce a Challenge Cup with Replica, which would be known as the "Efficiency Cup", to be awarded to the best cadet of the year. For the year 1931-32 it was awarded to Under-Officer Madan Lal of D.S. College, Lahore.

As last year there was no grant from the Government for this year (1931-32) as well. The Publicity Union had to limit its activities. The Geographical Association was allowed a grant of Rs. 500 and under its auspices the following trips were arranged:—

Kangra; Dharamsala; Baij Nath; Jogindra Nagar; Delhi; Amritsar; Head Works of Sutlej Valley Canal at Ferozepur; Alwar; Jaipur; Ajmer; Ahmedabad; Bombay; Baroda; Karachi; N.W. Railway Training School; Jallo; Khewra; Taxila; Panja Sahib; Peshawar; Khyber Pass.

During the year the Union organised only one trip to Jogindra Nagar and Dharamsala. A grant was allowed for a trip to Forman Christian College students.

The staff during the year 1931-32 consisted of 12 persons. The number of students on the roll for the last six years in different classes

was as under:—

		I Year.	II Year.	III Year.	IV Year.	Total.
On 31-3-27	...	47	28	14	10	99
On 31-3-28	...	45	47	9	15	116
On 31-3-29	...	51	42	9	9	111
On 31-3-30	...	41	49	13	8	111
On 31-3-31	...	60	39	14	13	126
On 31-3-32	...	55	62	14	14	145
On 30-9-32	...	69	55	12	14	150

The above statement shows that the number is gradually increasing in the Institution in spite of the course of study having been extended to three years for Vaidya Kaviraj Diploma. Of all the students in the College, there were 7 Shastris, 1 graduate, 5 undergraduates and the rest Matriculates, Visharadas, Pragyas and other Sanskrit title-holders, the minimum qualification for admission being Matriculation with Sanskrit, Pragma of the Panjab University or Prathma of U.P. There are two examinations held every year in April, namely (1) Vaidya Kaviraj—two years' course, and (2) Vaidya Vachaspati—four years' course.

The result of the annual examination held in April, 1931, was as under:—

	Total.	Passed.	Under Comptt.	Plucked.
(1) Vaidya Kaviraj ...	43	29	3	11
(2) Vaidya Vachaspati ...	14	12	1	1

The course of students for Vaidya Kaviraj Diploma has been changed to three years instead of two years and the students who were admitted in the I year class in 1931, have to follow the new curriculum and on the completion of their course will be better and abler Kavirajas than those of the old scheme.

For the training of students in diagnosis and treatment, this College maintains one In-door Hospital and two charitable dispensaries, one situated in the College premises and the other in Kucha Gosaian (Sutar Mandi). In all these departments, students of II, III and IV year classes work in groups and

learn clinical methods of Ayurvedic treatment under the guidance of their staff. Learned discourses are delivered by the Principal and other Professors on cases in the Hospital to acquaint the students with the pathology and therapeutics of diseases.

The number of cases admitted in the In-door Hospital during the last six years is given below:—

Years.		Total admission.	Cured.	Discharged otherwise.	Died
1-4-26 to 31-3-27	...	127	81	42	4
1-4-27 to 31-3-28	...	175	149	23	3
1-4-28 to 31-3-29	...	184	134	45	5
1-4-29 to 31-3-30	...	252	204	40	8
1-4-30 to 31-3-31	...	314	278	29	7
1-4-31 to 31-3-32	...	361	324	32	5

The Hospital is becoming popular and is attracting patients from far-off localities for Ayurvedic treatment. It is situated in a very healthy place. The Hospital needed a kitchen badly, but the need has been met with by a kind donation of Rs. 300 of Pt. Thakar Dutta Vaidya Multani. We still stand in need of cubicles for paying patients.

The surgical operations performed last year numbered 22, out of which 5 were major and the rest minor. The number of out-patients attending out-door dispensaries has increased greatly.

The Pharmacy is adequately equipped. Funds have been collected to put up a verandah. One store-room and three servants' quarters have been added.

Two grinding machines (End on runners) and a motor have been added to the machinery of the Pharmacy at a cost of Rs. 500. Last year only three bodies could be obtained for dissection work. The Dissection Block needs a cold storey for the preservation of corpses. There is no proper hostel attached to the College. Two wards of the Hospital are being used as boarding house and were last year occupied by 32 boarders.

Practically speaking there is no library or reading

room. Science room is used as library room on days when it is not needed for practical work. About 80 students of II and IV year classes, accompanied by their Principal and Professor of Materia Medica, went to Mussoorie Hills and saw on the way many plants at Hardwar, Rishi Kesh, Nil-Kanth, Doi Wala, Dehra Dun, etc. The tour was long and tedious. It extended over a period of 15 days. On the way back, the party saw the Government Botanical Gardens at Saharanpur and some plants of dry forests at Kuru Kshetra. Each student spent about Rs. 30 on the average, including railway fare, saw and collected samples of about 100 different plants of great interest. The College students also whenever necessary take active part in the alleviation of human suffering caused by diseases and epidemics.

The Dayanand Ayurvedic College, built at a cost of two lakhs of rupees, is doing useful service in the revival of the Ayurveda system of medicine. It attracts students not only from the Punjab, but also from the U.P., C.P., Gujarat and other provinces. Owing to lack of funds research work is seriously handicapped.

There are two Unani Sections—one Urdu and the other Arabic, viz., Hakim Haziq Tibbia College. and Zubdatul Hukama. Both these classes are required to attend practical classes also where Blood pressure taking, Blood, Urine and Sputum examinations, Hypodermic injections and the passing of Catheter and uses of some surgical instruments are taught. Besides all this they have to attend the Unani and Allopathic dispensaries attached to the College daily in the out-door under the supervision of a Medical Officer and a Hakim.

The number of students is as follows:—

1. Hakim Haziq class, I Year	...	93
2. Hakim Haziq class, II Year	...	62
3. Zubdatul Hukama	...	1

Not only Muslims but Hindus and Sikhs are also admitted in the College. At present there are:—

Muslims	...	...	112
Hindus	...	...	42
Sikhs	...	...	2

Admission to the College is sought by students even from far-off provinces like Bengal and Bombay.

A regular course of books on all the branches of the advanced Unani system of medicines is taught. The subjects are Anatomy, Physiology, Pathology, Materia Medica, Therapeutics, and Principles and Practice of Medicines (Unani).

Examinations are held in the Islamia College Habibia Hall, Lahore, in or about the last week of May every year, under the supervision of Hakim Mohd. Sharif, Chairman of the Tibbia Committee. Examiners are medical men and expert Hakims of Lahore, Delhi, Lucknow and Dera Ghazi Khan, etc.

Results of examinations held in 1932 are as under:—

Hakim Haziq: out of 38 College students 34 passed.

Hakim Haziq: out of 8 private students 7 passed.

Zubdatul Hukama: out of 1 College student 1 passed.

Zubdatul Hukama: out of 1 private student 1 passed.

There are now five lecturers while previously there used to be only four. The period of teaching used to be two hours only while now it is three hours besides the two hours of daily out-door attendance in the dispensaries. A Muzakarah Tibbia Committee has been started to promote students' power of discussion and intelligence in dealing with scientific subjects. This Society holds large debating gathering in addition to its weekly sittings in which local leading men of the profession are also invited and prizes distributed to the winners. Arrangements have been

made to show Anatomical diagrams. A library is also started which is being improved. A collection of Indian drugs is stocked and medicines are made and compounded by the students under the supervision of the Hakim-in-charge. A Unani Shafa Khana and an Allopathic Dispensary of the Anjuman-i-Himayat-i-Islam, Lahore, are also affiliated with the College where practical training on patients is given and Clinical Medicines and Surgery are taught. A Museum is also started and its opening ceremony was performed by the Honourable Minister of Local Self-Government where models of Anatomy, Physiological charts, drugs and instruments are provided. It is also proposed to have a separate building for the Tibbia College for which pecuniary help from the Government is sought.

The expenditure incurred during the year ending 30th September, 1932, is as follows:—

		Rs.	A.	P.
Tibbia College	...	7,497	1	10½
Allopathic Dispensary	...	1,343	10	8
Unani Shafa Khana	...	2,189	11	6
		<hr/>		
TOTAL	...	11,024	8	½
		<hr/>		

During the year 1931-32 the Fund received Panjab University Rs. 639-3-10 by sales and Oriental Publications Rs. 582 by interest but received Fund. no grant from the University owing to the financial stringency.

No. 22. Sundarananda or Nanda the Fair of Asvaghosha, translated by E. H. Johnston, M.A., has been published during the year and is in the market on sale.

The following are being printed:—

No. 12. Phonology of Panjabi with specimens of the Ludhiana Dialect, by Dr. Banarsi Das, M.A., Ph.D.

No. 17. Varahagrhya Sutra, edited by Dr. Raghuvira, M.A., D.Litt., Sanatan Dharam College, Lahore.

No. 20. 'Ali b. Zaid al-Baihaqi's Tatinmatu Siwan al-Hikma, Arabic Text and the Persian Version. Edited by Prof. Mohammad Shafi.

No. 21. "Zubadat-ul-Tawarikh," edited by Dr. Mohammad Iqbal, M.A., Ph.D.

No. 23. Hindi edition of "Introduction to Prakrit," by Dr. Banarsi Das, M.A., Ph.D.

No. 24. Fragments of the Commentaries of Skanda and Mahesvara on the Nirukta, Part III.

Among others, during the period under review, following important amendments of Regulations were sanctioned by the Punjab Government:—

(a) The election to the Boards of Studies shall be held every two years instead of annually.

(b) Female candidates have been made eligible to appear as private candidates in the Law Examinations.

(c) Regulations have been framed to institute the Honours School of History.

(d) The award of Government scholarships is not now restricted to candidates who pass in the First Division.

(e) M's.Sc. in Agriculture have been made eligible for admission to the Doctor of Science Examination and graduates in the Faculties of Agriculture and Commerce have been made eligible for admission to the Law College.

(f) Physical training has been made compulsory for first year students, except those who are members of the University Training Corps, with effect from June, 1932. Students who are unfit for physical training can be exempted on the production of a medical certificate.

- (g) The supplementary examination for candidates who come under compartment in such of the Vernacular Languages and Oriental Titles Examinations where the system of compartment already exists is now held in October as well.
- (h) Political Science has been added to the list of elective subjects for the B.A. Examination and an M.A. Examination in Political Science has been instituted.
- (i) Regulations have been framed for the First, Second and Final Examinations in Engineering.
- (j) The First, Second and Third Professional Examinations for the Degree of M.B.B.S. are all now held twice a year, instead of annually, and an M.B.B.S. Honours Degree has been instituted. Candidates for the Degree of Bachelor of Medicine and Bachelor of Surgery are, at the time of graduation, awarded their degrees "with Honours" if they have completed their curriculum in the minimum period of five years, passed each of their professional examinations at the first attempt, and have obtained an aggregate of seventy per cent. of the available marks in each subject of examination.
- (k) The subject of Elementary Dentistry has been introduced in the Final M.B.B.S. Examination with effect from the examination to be held in 1933. The object is only instruction in the subject and not examination.
- (l) The LL.M. Examination has been thrown open also to persons who have taken a law degree of any other recognised University in India. It has also been decided that separate percentage in the aggregate

shall not be required in order to pass this examination and that candidates who obtain sixty-six per cent. marks or more in the aggregate shall be shown as having passed the examination "with Honours".

- (m) LL.B's. of recognised Indian Universities and Barristers-at-Law have been made eligible for admission to the Conveyancing Class in the Law College.
- (n) The First Examination in Commerce has been abolished and Regulations for the Degree of Bachelor of Commerce have been amended to provide that this examination shall be open to persons who, among other things, have passed three academical years previously the Intermediate Examination in either the Arts or Science Faculty of the University of the Punjab or of the University of Delhi, or, if a resident of the Punjab, the Intermediate Examination in either the Arts or Science Faculty of the Aligarh Muslim University or of the Benares Hindu University.
- (o) The University Readers have been made ex-officio members of the Boards of Studies of their subject in cases where there are no University Professors of the subject.
- (p) The questions set in all the Vernaculars for the Matriculation Examination are now set in the Vernacular concerned.
- (q) A quorum has been fixed for the meetings of the Academic Council.
- (r) Regulations dealing with candidates appearing in English only have been revised.

In order to exercise more effective watch over the Students' Residences. students' residence in Lahore, the Students' Residence Committee has been reconstituted as under:—

The Vice-Chancellor. *

Professor G. C. Chatterji, M.A., I.E.S.

Professor P. Samuels Lall, M.A., F.R.A.S.

Bakhshi Ram Rattan, B.A., B.T.

Principal C. L. Anand, M.A., LL.B., Bar.-at-Law.

Principal J. W. Thomas, B.Com., B.Sc.

Professor Mohammad Shafi, M.A.

Professor G. D. Sondhi, M.A., I.E.S.

Professor U. Kramet, B.A.

The Committee has further subdivided itself into various sub-committees and certain definite hostels are allotted to each sub-committee for supervision.

The Hostels Visitors now submit *interim* reports on the hostels in which the social and moral side of life in the hostels is given proper place.

Attention of certain hostels was invited to the need of improvement in sanitary and supervision arrangements and in particular to the need of checking attendance of residents at night. The Commissioner of Lahore Division was addressed regarding the unsatisfactory condition of the roads on which the students mainly reside.

The following hostels were given recognition for the year 1932, and monthly grant-in-aid noted against their names, for the financial year 1932-33:—

1. Hindu Ashram (Rs. 30 for supervision and Rs. 9 for additional common room)	Rs. 39
2. Rajput Boarding House	20
3. Younghusband Collegiate Hostel	20
4. Arya Vidyarthi Ashram	30
5. Khalsa Boarding House (Rs. 20 for supervision and Rs. 10 for common room)	30
6. Shri Amar Jain Hostel (supervision and common room)	25
7. Ahmaddiya Hostel (common room)	16
8. Mohyal Ashram (for common room)	10

	Rs.
9. Digambar Jain Hostel (for supervision)	10
10. Y.W.C.A. (for the upkeep of the Students' House) ...	30
11. Aggarwal Ashram.	
12. Agnihotri Hostel.	
13. Gour Ashram.	
14. Mohini Hostel.	
15. Dev Samaj Boarding House.	

During the period under report, the Punjab Government (Ministry of Education) accorded sanction to the affiliation in the Arts Faculty in English, Mathematics, History, Geography, Economics and Persian, of the Intermediate College proposed to be instituted by combining the two high classes of the Sandeman High School, Quetta, with two Intermediate classes. The College has not, however, been started as yet.

The extension of affiliation of the following colleges up to the B.A. standard in the subjects noted against their names was also approved with effect from June, 1932 :—

Ludhiana Government College, Ludhiana.	English, Mathematics, History, Economics, Arabic, Persian, Sanskrit, Physics, Urdu, Hindi, Panjabi and Philosophy.
deMontmorency College, Shahpur Sadar.	English, Philosophy, Mathematics, History, Economics, Arabic, Persian, Sanskrit, Urdu and Hindi.
Ramsukh Das College, Ferozepore.	English, Mathematics, Philosophy, History, Economics, Sanskrit, Persian, Arabic and Vernaculars.

The extension of affiliation to the following colleges in the subject or subjects noted against each has been sanctioned by the Punjab Government (Ministry of Education):—

- | | |
|--|---|
| 1. Multan College, Multan. | Geography up to the Intermediate standard. |
| 2. Vedic Bhadrati College, Dera Ismail Khan. | Physics and Chemistry up to the Intermediate standard. |
| 3. Mohindra College, Patiala. | Bengali as an additional Vernacular for the Intermediate Examination. |
| 4. Dyal Singh College, Lahore. | French up to the Intermediate standard. |
| 5. Forman Christian College, Lahore. | French up to the Intermediate standard. |
| 6. Oriental College, Lahore. | English up to the Intermediate standard. |
| 7. D.A.-V. College, Lahore. | History up to the M.A. standard. |
| 8. Lahore College for Women, Lahore. | Sanskrit up to the B.A. standard. |
| 9. Khalsa Intermediate College, Lyallpur. | Physics and Chemistry up to the Intermediate standard. |

It has been ruled that when a college is affiliated in a Vernacular as an option it be deemed affiliated in that as a full subject as well, and when a college is affiliated in a subject in either the Arts or the Science Faculty, it be deemed to be affiliated in the same subject for the Science or the Arts Faculty respectively as the case may be.

Evening classes were started during the period under review, in the Oriental College to prepare students for examination in Intermediate English only mainly to benefit the students who had passed any examination in Oriental Titles or Vernacular

Languages and were further qualifying themselves in English only. A monthly fee of Rs. 2 is charged from the students on the rolls of this class. Evening classes in the College were also started for Hindi, Panjabi and Urdu examinations of this University with effect from 2nd January, 1932, at the following rates of fees:—

		Rs.	A.	P.
Admission fee	1	0 0
Honours Classes	2	0 0
High Proficiency Classes	1	8 0
Proficiency Classes	1	0 0

The following institutions were associated with the Oriental College, Lahore:—

1. The Madrasa of the Anjuman-i-Islamia, Lahore.
2. R.B. Gagar Mal's Sanskrit Pathshala, Amritsar.
3. S.D. Sanskrit Pathshala, Multan.
4. Sanskrit Pathshala, Hoshiarpur.
5. Jamni Ahmaddiya, Qadian.
6. Madrasa-i-Fadaliya, Batala.
7. Dar-ul-Uloom Hanafiya, Kasur.
8. S.D. Pathshala, Jind.
9. Madrasa-i-Arabiya, Srinagar.
10. Dar-ul-Ulum Alsina Sharqiya, Lahore.
11. Mahavidyala, Sultanpur (Kapurthala State). Provisionally associated.

The Academic Council, during the period under report, approved the programme of work of the following colleges to start classes in the subjects noted against their names with a view to present candidates for Honours Papers in these subjects in the B.A. Examination to be held in 1933:—

Permission to start
classes for Honours
Papers.

report, approved the programme
of work of the following col-
leges to start classes in the
subjects noted against their

1. D.A.-V. College, Lahore. Sanskrit (with the Oriental College), Mathematics (with the F.C. College and the University), Philosophy, English, History, Economics.
2. F.C. College, Lahore. Psychology, Economics, History (with the Government College), English, Mathematics (with the D.A.-V. College).
3. Government College, Lahore. Mathematics, English, Philosophy, Economics (with the F.C. College), Persian and Arabic (with the Oriental College), History (with the F.C. College), Psychology, Sanskrit (with the Oriental College).
4. Islamia College, Lahore. Persian (with the Oriental College), Psychology, Philosophy (with Dyal Singh College), Arabic, History, English, Mathematics.
5. Dyal Singh College, Lahore. Mathematics } (with English } the Economics } S.D. History } College) Philosophy (with the Islamia College), Persian (with the S.D. and Oriental Colleges).
6. S.D. College, Lahore. English } (with Mathematics } Dyal Economics } Singh History } College)

	Sanskrit (with the Oriental College), Persian (with the Dyal Singh and Oriental Colleges).
7. Lahore College for Women, Lahore.	Mathematics and Philosophy.
8. Murray College, Sialkot.	English, History and Economics.
9. Mohindra College, Patiala.	English, Economics, History and Mathematics.
10. Islamia College, Peshawar.	Mathematics, Persian and English.
11. D.A.-V. College, Jullundur.	English, Mathematics and Sanskrit.
12. S.P. College, Srinagar.	English, Philosophy and Sanskrit.
13. Khalsa College, Amritsar.	English, Mathematics, History and Economics.
14. Edwardes College, Peshawar.	English, Philosophy and Economics.

The programme of work for Honours in Physics for candidates of Lahore colleges for the examination of 1933 was also approved. The Islamia, D.A.-V., Forman Christian and Government Colleges participate in the scheme of joint lectures in Physics.

It has been decided that, under Regulation 12 relating to the B.A. Examination, candidates taking up Honours in Mathematics have to fulfil the conditions laid down in the regulation in any *one* of the two Courses of Mathematics. This decision took effect from the examination held in 1932.

In view of acute financial stringency, no inspection of colleges was made during the period under report.

University Extension Lectures.

The following University Extension Lectures were delivered during the period under report :—

Centres.	Names of Lecturers.	Subject of Lectures.
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6 lectures in Vernacular for ladies exclusively.

Jullundur	...	Mrs. G. K. Mannohan Singh, B.A. (Panjab), Teachers' Training Certificate (Cambridge).	"How to improve our homes."
Amritsar	...	Miss Khadijah Begum, M.A., M.O.L.	1. "Woman and University Education." 2. "Child marriage causes mental deterioration."
Rawalpindi	...	Mrs. C. Durga Parshad, B.A., T.Dip.	"Women—the world over and in the Punjab."
Sialkot	...	Mrs. Sita Ram Kohli, B.A.	1. "The Intellectual and Industrial Occupation of Women in recent years." 2. "The advancement of higher education among girls as a factor in the economic uplift of the home and society."

13 lectures on popular scientific subjects.

Lyalpur	...	Dr. H. B. Dumnichoff, M.A., Sc.D., F.I.C., I.E.S.	Two lectures on "Chemistry in the service of Indian Revenue".
Dharamsala	...	L. Sain Das, M.A., B.Sc.	"Contributions of Science to the Art of Living."
Jullundur	...	Prof. J. M. Benade, M.A.	"Our Modern Scientific Outlook."
Multan	...	M. Afzal Hussain, Bsq., M.A., M.Sc., I.A.S.	"Insects and Man."

Centres.	Names of Lecturers.	Subject of Lectures.
Ferozepore ...	L. Chetan Anand, M.A., LL.B.	"Edison and his Inventions."
Rawalpindi ...	Prof. S. R. Kashyap, R.B., B.A., M.Sc., I.E.S.	"India and Tibet."
Patiala ...	P. Samuels Lall, Esq., M.A., F.R.A.S.	"The Wonderful Universe around Us."
Multan ...	Dr. H. Chaudhuri, Ph.D.	"Plant Protection."
Campbellpur ...	Dr. Umar Hayat Malik, M.A., LL.B. (Alig.), M.Sc. (Cantab.), Ph.D.	"Mathematics among the Arabs."
Jammu ...	Dr. G. Matthai, M.A., Sc.D., I.E.S.	"Evolution of Man."
Hoshiarpur ...	S. Charan Singh, M.Sc.	"Plants without flowers and what they teach us."
Rohtak ...	Dr. H. C. Singh, M.Sc., Ph.D.	"The Science and Romance of Radio."
<i>18 lectures on Humanities.</i>		
Srinagar ...	Professor G. D. Sondhu, M.A., I.E.S.	"Recent Developments in Stage Decoration."
Patiala ...	N. C. Daruwala, Esq., M.A.	"Bernard Shaw and his Drama."
Jhang ...	L. Ram Chand Manchanda, B.A., LL.B.	"A Peep in the Dim Past of the Sakal Dwipa and its People."
Jammu ...	A. S. Bokhari, Esq., M.A.	"Problems of University Education."
Ludhiana ...	J. W. Thomas, Esq., B.Com., B.Sc.	"The Change from Agriculture to Industry in Britain."
Malerkotla ...	Dr. Kh. Shuja-ud-Din, M.A., LL.D.	"The Influence of the Crusades on Civilization."
Moga ...	Prof. D. C. Sharma, M.A.	"English Drama of To-day."

Centres.	Names of Lecturers.	Subject of Lectures.
Rohtak ...	Prof. Mohammad Shafi, M.A.	"Arab Geographers and Travellers."
Campbellpur ...	Prof. Jodh Singh, M.A.	"Modern Panjabi Poetry with special reference to the Poetry of Bhai Vir Singh."
Gujrat ...	Dr. Mohd. Iqbal, M.A., Ph.D.	"The Persian Language in India's Past, Present and Future."
Kapurthala ...	Prof. G. C. Chatterji, M.A., I.E.S.	"Dreams—how they are caused and what they mean."
Bahawalpur ...	Sita Ram Kohli, Esq., M.A.	"Social and Cultural Life in the 16th Century India."
Amritsar ...	Rev. J. B. Weir, M.A.	"Woodrow Wilson : Statesman and Educator."
Ludhiana ...	Dr. F. M. Velte, M.A., Ph.D.	"The Poet Laureate."
Gujranwala ...	Dr. K. N. Sita Ram, M.A., Ph.D.	"The Place of India in Asiatic Culture."
Ferozepore ...	I. C. Nanda, Esq., M.A.	"Folk Drama."
Peshawar ...	Prof. E. C. Dickinson, M.A.	Two lectures on "The Necessity of Ideas".

His Excellency Sir William Malcolm Hailey, B.A., G.C.I.E., K.C.S.I., C.I.E., I.C.S., formerly Chancellor of this University, received the distinction of Grand Commander of the Star of India.

During the year under report, the following Fellows and ex-Fellows of the University were honoured by the conferment of titles by the Government:—

The Hon'ble Mian Sir K.C.S.I.
Fazl-i-Hussain.

Sir George Anderson, C.S.I.

Kt.

Col. H. M. Mackenzie C.I.E.

Man Mohan, Esquire Rai Bahadur.

Dr. Edith Brown ... D.B.E.

Dr. M. O'Brien Kaiser-i-Hind Gold
Beadon. Medal.

Mr. Mukand Lal Puri, M.A., M.L.C., Bar.-at-Law,
and Mr. Nanak Chand Pandit,
Election of Fellows. M.A., M.L.C., Bar.-at-Law,
were re-elected by the Registered Graduates as Ordinary Fellows of this University, with effect from the 31st March, 1932. Rai Bahadur Mr. P. N. Dutt, B.A., was re-elected by the Arts Faculty as an Ordinary Fellow with effect from the 31st March, 1932, and Lala Mehr Chand Mahajan, B.A., LL.B., Advocate, High Court, Punjab, was re-elected by the Law Faculty as an Ordinary Fellow of this University with effect from the 23rd June, 1932.

In view of the fact that all the appointments, confirmations and promotions are
Appointments, etc. gazetted from time to time in the University Gazette, a very brief reference, as in the last two Reports, is made in this Report to some of the more important appointments.

Rai Bahadur Mr. P. N. Dutt, B.A., Registrar, has been granted leave preparatory to retirement as follows:—

Four months' privilege leave on full pay from January 1st, 1933, and thereafter two years' furlough on half pay ending April 30th, 1935.

Consequent on the retirement of Rai Bahadur Mr. P. N. Dutt, the following appointments have been made with effect from the 1st January, 1933:—

(a) Mr. Ishwar Das, M.A., LL.B., Joint-Registrar, has been appointed Registrar on Rs. 1,000 per mensem—the pay he is now

drawing. He would continue to draw a house allowance of Rs. 125 p.m.

- (b) Mr. S. P. Singha; M.A., LL.B., Assistant Controller of Examinations, has been appointed Controller of Examinations, on Rs. 550 per mensem in a grade of Rs. 550—40—750. He has been assigned free of rent the house now occupied by R.B. Mr. P. N. Dutt.
- (c) Bawa Narinjan Singh, M.A., Office Superintendent, has been appointed Assistant Controller of Examinations on Rs. 400 p.m. in the grade of Rs. 250—25—500 with no remuneration for overtime work.

It has been decided to advertise the post of the Assistant Registrar in the grade of Rs. 250—25—500, the starting salary within the grade to be fixed in reference to the qualifications of the person selected for appointment.

Mr. Ishwar Das, M.A., LL.B., Joint-Registrar, was granted four months' privilege leave, with effect from the 2nd of June to 1st October, 1932, both days inclusive, for going abroad mainly to study—so far as it was possible to do so during this short period—the working of certain British and Foreign Universities from the administrative point of view. During his absence on leave, Rai Bahadur Mr. P. N. Dutt, B.A., Registrar, signed the cheques and operated on the investments of the University. In accordance with the decision of the Vice-Chancellor, who had been authorised to make necessary arrangements for the carrying on of the remaining work of the Joint-Registrar, Bawa Narinjan Singh, M.A., acted as Assistant Registrar, and Malik Atta Muhy-ud-Din officiated as Office Superintendent in addition to his ordinary duties. Bawa Narinjan Singh drew an acting allowance of Rs. 50 per mensem and M. Atta Muhy-ud-Din an acting allowance of Rs. 30 p.m.

Dr. S. S. Bhatnagar, D.Sc., F.Inst.P., University Professor of Physical Chemistry, was given study leave from the end of the summer vacation to the commencement of the Christmas recess in 1931. For certain reasons, however, Dr. Bhatnagar returned to India earlier than he anticipated, and resumed his duties with effect from 1st December, 1931, cancelling his further leave.

The status of University Reader of General Chemistry has been granted, as a permanent measure, to Mr. N. A. Yajnik, M.A., A.I.C., Professor, Forman Christian College, Lahore.

Mr. Des Raj Mahajan, M.A., LL.B., one of the part-time Law Readers, was appointed temporarily as whole-time Law Reader in the Law College for a period of 7 months from 1st October, 1931, to 30th April, 1932, on a salary of Rs. 500 p.m., the minimum of the grade. Later on he was re-appointed for another period of 12 months, with effect from 1st May, 1932, on the same pay.

Mr. J. W. Thomas, B.Com., B.Sc., Principal, Hailey College of Commerce, has been granted furlough with effect from the 10th October, 1932—the date of re-opening of the College—up to the Christmas vacation, 1932. The furlough would be suffixed to the summer vacation and prefixed to the Christmas vacation. The following officiating and teaching arrangements have been sanctioned during his absence:—

- (a) Professor Krishan Datta Aggarwal, B.A., Bar.-at-Law, to carry on the current duties of the Principal in his absence when not on furlough, free of any payment, as in previous years. For the period of Mr. Thomas's furlough, Mr. Krishan Datta Aggarwal to officiate as Principal on an additional allowance of Rs. 100 per mensem and actual house rent up to a maximum of Rs. 100.

- (b) Professor U. Kramet, B.A., Islamia College, Lahore, appointed part-time Lecturer for the period of Mr. Thomas's furlough at Rs. 150 p.m. He would do about six hours' weekly teaching of "Economic History of Great Britain".

Mr. Mohammad Hasan, M.A., has been appointed as whole-time Lecturer in English and Economics, etc., in the Hailey College of Commerce, at Rs. 200 per mensem, for a period of one year, with effect from the date of re-opening of the College after the summer vacation in 1932.

The Senate of this University, on the recommendation of the Syndicate and on Degree conferred. the report of the examiners on the thesis submitted, decided to award the Degree of Doctor of Science on Mr. K. G. Mathur, M.Sc.

The University sustained a great loss, during the period under report, in the Deaths. deaths of the Hon'ble Dr. Mian Sir Mohammad Shafi, K.C.S.I., C.I.E., D.Litt., LL.D., Bar.-at-Law, a distinguished member of this University for many years both as a Fellow and as a Syndic, and the late Bishop of Lahore who was a former Vice-Chancellor and an ex-officio Fellow of this University.

Rai Bahadur Professor Shiv Ram Kashyap, B.A., M.Sc., I.E.S., University Professor of Botany, and Dr. H. Chaudhuri, Ph.D., University Reader in Botany, were nominated as delegates of this University to the session of the Indian Science Congress held at Bangalore, over which the former presided. Mr. J. W. Thomas, B.Com., B.Sc., Principal, Hailey College of Commerce, was nominated as a delegate to the Fifteenth Annual Conference of the Indian Economics Association held at Bombay in January, 1932. Owing to financial stringency, no

delegate was sent to the Indian Philosophical Congress held at Patna.

Lt.-Col. J. J. Harper Nelson, O.B.E., M.C., M.B., Ch.B., M.D., F.R.C.S., I.M.S., Principal, King Edward Medical College, Lahore, was nominated as a representative of this University to participate in the celebration of the Centenary of the British Medical Association held in London in July, 1932.

Mr. C. V. H. Rao, M.A., University Professor of Mathematics, was nominated as a representative of this University to serve on the proposed Committee of University Teaching of Mathematics.

Five meetings of the Senate, 15 of the Syndicate, 4 of the Academic Council, 4 of the Oriental Faculty, 6 of the Arts Faculty, 5 of the Science Faculty, 3 of the Medical Faculty, 2 of the Law Faculty, 1 of the Agricultural Faculty, 2 of the Commerce Faculty, and 5 of the Engineering Faculty, were held during the period under review.

Owing to acute financial stringency, it is regretted that no grant was given to any college for the improvement of college libraries and science equipment during the year under report. The Punjab Government (Ministry of Education) discontinued this beneficent grant of Rs. 30,000 with effect from 1931-32.

The following subventions were sanctioned towards the salary of Physical Instructors to the colleges given below for 1932-33:—

	Rs.	
1. Murray College, Sialkot ...	35	From the date of appointment of a whole-time trained Physical Instructor.
2. Forman Christian College, Lahore ...	55	
3. Khalsa College, Amritsar ...	55	
4. D.A.-V. College, Jullundur ...	25	

	Rs.	
5. D.A.-V. College, Hoshiarpur ...	25	From the date of appointment of a whole-time trained Physical Instructor.
6. Islamia College, Lahore ...	55	
7. Hindu Sabha College, Amritsar ...	25	
8. D.A.-V. College, Lahore ...	55	
9. Gordon College, Rawalpindi ...	25	
10. Dyal Singh College, Lahore ...	35	
11. D.M. College, Moga ...	25	
TOTAL ...	415	

The applications received from certain other colleges were considered and rejected.

Dr. B. Sahni, M.A., D.Sc. (London), Sc.D. (Cantab.), Professor of Botany, University of Lucknow, delivered a series of six lectures on "Fossil Plants" in the Biological Laboratory, Government College, Lahore, from 7th March, 1932, onwards, every evening at 6-30 p.m. The lectures were illustrated with lantern slides and demonstration specimens. Though the lectures were meant mainly for the advanced students in Botany, they, especially the first three, proved interesting to non-botanists also. All interested in the subject were cordially invited to attend.

It has been decided that the system of prescribing University publications as text-books should be further extended and that the University should have at least one more book in English for the Matriculation and for the Intermediate Examinations as University publications forth-

with. It has also been decided that the University publications might, if possible, represent something more than mere selections and should be done by competent writers. The editors appointed for University text-books shall henceforward be asked to give an undertaking to supply the manuscript within the time specified or pay compensation in default.

Besides two more text-books in English referred to above, the following four new University publications are in the course of preparation. The names of the editors are given below:—

- (a) University Matriculation Sanskrit Course. Lala Gulbahar Singh, M.A., LL.B.
- (b) University Matriculation Arabic Course. M. Zafar Iqbal, M.A., B.T.
- (c) A poetry selection for Paper II of the Hindi Ratan Examination. Mr. Surya Kanta, M.A., M.O.L., Shastri.
- (d) A prose selection for Paper IV of the Hindi Ratan Examination. Lala Sant Ram, B.A.

The following consolidated rules have been laid down regarding the procedure to be followed in the prescription of text-books:—

- (1) Any publisher who wishes to submit text-books for consideration shall send the necessary number of copies fixed by the University to the Joint-Registrar by the 15th September.
- (2) The publishers shall indicate at the time of submission of books the final prices at which they proposed to sell their books.
- (3) The publishers shall give the name of the real author on pain of withdrawal of patronage by way of not prescribing the books produced by the firm for a specified period,

- (4) The author shall also declare whether or not he has any secret partners. This declaration shall be submitted by the publishers along with the books. The penalty for incorrect declaration by the author shall be the withdrawal of patronage by way of not prescribing the books written by him for a specified period.
- (5) Books so submitted shall be circulated to members of the Board of Studies concerned. Any books submitted after the date specified in Rule (1) above shall not be circulated until after the 15th September following.
- (6) When a publisher does not submit the necessary number of copies or does not conform to any other rule given above, the attention of the publishers concerned shall be invited once to the omission. If the omission is not rectified within the stated time then the books shall not be considered.
- (7) When a Board finds that there is no book suitable for a particular purpose among the books submitted and circulated they shall report to that effect and submit a list of not less than three books including books that have not been submitted and circulated. The list so submitted shall be referred to the Vice-Chancellor and two assessors nominated by him, who shall select one of the books on behalf of the Board.
- (8) The Boards of Studies in all subjects shall make their recommendations regarding all courses of study by the 15th December every year.
- (9) In case text-books are recommended the Boards of Studies shall recommend only

such books as have been published and made available for public purchase at least two months before the date of their recommendation by a Board.

(10) These rules shall apply to the following examinations in the subjects noted against them:—

- | | |
|---|--|
| (a) Matriculation | ... All subjects excepting Hebrew, Greek, Latin, Pashto, Bengali, French, German, Drawing, Domestic Economy, and Shorthand and Type-writing. |
| (b) Intermediate (Arts and Science). | All subjects excepting Hebrew, Greek, Latin, French, German, Bengali and Pashto. |
| (c) B.A. | ... English. |
| (d) In specified subjects in the Oriental Titles and Vernacular Languages Examinations. | |

The above rules supersede all previous decisions on the subject including the instruction that the Boards of Studies in all subjects in the Faculties of Arts and Science should make their recommendations regarding all courses of study in the first half of April every year so as to allow time for the formation and expression of opinion from colleges.

Under Rule (1) mentioned above the following number of copies of each book meant to be considered by the Boards noted below has been fixed for submission to the University office:—

- | | |
|---|----------------|
| (a) For School Board | ... 15 copies. |
| (b) For Boards of Studies in (i) History and Geography, and (ii) Sanskrit | ... 10 copies. |

- (c) For Boards of Studies in (i) English, (ii) Arabic and Persian, (iii) Zoology and Physiology, (iv) Botany, (v) Chemistry, and (vi) Mathematics .. 9 copies.
 (d) For all the other Boards of Studies 8 copies.

The following resolutions Nos. VIII (2) and IX (4),
 Miscellaneous. passed at the Sixth Annual Meeting of the Inter-University Board, India, held at Mysore in February, 1931, were forwarded to the Punjab Government (Ministry of Education) for consideration:—

VIII (2). In view of the more or less permanent financial commitments entered into by the Universities with regard to members of their teaching staffs, it is desirable that Government should make statutory provision for minimum definite annual grants to Universities.

IX (4). In making grants to colleges the Government be requested to take into account any opinion which the University concerned may have expressed on them.

Owing to valid reasons, other than financial, the rate of fee for the following certificates has been increased:—

- (a) For a duplicate copy of the Matriculation certificate ... Rs. 5 instead of Rs. 3.
 (b) For a duplicate copy of the Intermediate certificate ... Rs. 5 instead of Rs. 4.
 (c) For a duplicate copy of the Middle School certificate ... Rs. 5 instead of Rs. 2.
 (d) For supplying detailed number of marks ... Rs. 4 instead of Rs. 3.
 (e) For a copy of the admission form ... Rs. 10 instead of Rs. 5.

It was further decided to levy fees, as given below, for the following items all of which are charged for by the University of Calcutta:—

- | | |
|---|-------|
| I. For change of centre ... | Rs. 2 |
| II. For correction of age ... | Rs. 2 |
| III. For migration from one college to
another within the University ... | Re. 1 |

It is understood that the fee specified above is to be submitted by the applicants along with the applications and is to be retained whether the application is accepted or not.

The following rates have been decided upon to be paid to the Lecturers:—

- (1) When a college teacher is invited to deliver a lecture or a series of lectures to a University class, he shall be paid at a uniform rate of Rs. 11 per lecture. Demonstration or practical work of two hours of 60 minutes each shall count for purposes of payment as equivalent of one lecture. He shall be paid travelling and halting allowance according to University rates on his salary. If the Lecturer is invited to deliver a series of class lectures, then for purposes of travelling and halting allowance a minimum of two lectures shall count as one trip. The allowance shall be paid only for the day on which the lecture is delivered. Servants or Demonstrators shall not be paid any travelling or halting allowance unless sanctioned by the Dean of University Instruction previous to the visit and then only single fare each way.
- (2) If a Lecturer is invited to deliver a special lecture or a series of such lectures, he shall be paid remuneration at the scale given below:—

- (a) For one lecture, Rs. 75.
- (b) For two lectures, Rs. 120.
- (c) For three lectures, Rs. 160.
- (d) For four lectures, Rs. 200.
- (e) For five lectures, Rs. 225.
- (f) For six lectures, Rs. 250.

All other conditions would be the same as given in (1) above, except that the travelling allowance paid to such a Lecturer shall be single fare each way if the distance is 200 miles or more, otherwise $1\frac{1}{2}$ fare each way.

- (3) When a distinguished Lecturer is invited to give public lectures then he shall be paid at the rate of Rs. 100 per lecture plus travelling allowance to be paid ordinarily from Delhi and back unless sanctioned otherwise. No halting allowance shall be paid unless special sanction is given at the time of invitation.
- (4) The rate of payment for Extension Lectures shall be the same as recommended for special lectures in (2) above.

The Syndicate, during the year under report, considered the portion of the questionnaire [5 (a)—Representation of special interests] of the Franchise Committee relating to the representation of the University. It was decided to recommend that the University representation on the Provincial Legislature should be retained but that, in view of the large area under its territorial jurisdiction, the large number of colleges affiliated thereto, and the considerable number of candidates annually taking its examinations, the University should be given two seats on the legislature instead of one as at present, and that one seat should be given to the representative of the University graduates and the other to the representative of the Fellows of the University.

In order to improve the sound in the Hailey Hall (Senate room), the floor, excluding the portion paved with marble, has been covered with carpets at a cost of about Rs. 2,000. The device has proved successful.

Owing to the large number of subjects to be dealt with by the Board, the number of members of the Board of Studies in Agriculture has been increased from six to seven.

The Hon'ble Judges of the High Court of Judicature at Lahore have been pleased to accept the suggestion of the University that those graduates of the Panjab University who have passed the Master of Laws Examination held by this University be enrolled as Advocates of the High Court without the condition imposed on other graduates of having first practised in the subordinate courts for a specified period.

The Intermediate Examination of the University of Rangoon has been recognised as equivalent to the Intermediate Examination of this University.

The University of Bombay has recognised the B.Sc. Examination of this University as equivalent to its B.Sc. Examination, and the First Examination in Commerce of this University as equivalent to its Intermediate Commerce Examination.

The "Dufferin" Final Passing Out Certificate has been recognised as equivalent to the Matriculation Examination of this University.

In order to allow sufficient time to the Revising Committee to scrutinise the lists of paper-setters and subordinate examiners, it has been decided:—

- (a) That the recommendations of the Boards of Studies relating to the appointment of sub-examiners should, in future, be available to the Revising Committee by the end of January, failing which the Revising Committee should make recommendations more or less on the basis of the last year's list.

- (b) That the School Board should send in the recommendations relating to the appointment of subordinate examiners on or before the 15th January each year, otherwise the previous list should be modified as best as possible by the Revising Committee itself. It was understood that this implied that the Sub-Committees of the School Board should meet to make necessary recommendations in November of the year preceding the examination for which examiners are to be recommended.
- (c) That the various Boards of Studies should be asked to send in their recommendations regarding the appointment of paper-setters by the end of March each year failing which the Revising Committee should proceed to make its own recommendations more or less on the basis of the last year's list.

Lecturers in Intermediate Colleges have been debarred from appointment as Head Examiner and Paper-Setter in the M. & S.L.C. Examination in the same manner as the Principals of Intermediate Colleges with high classes attached or the Head Masters or teachers in schools. It has further been laid down that, except in exceptional circumstances, no person should be appointed to set more than three question-papers for examinations held during the year. It is understood that this is not to include the papers set for the practical examinations and appointment as examiner for a thesis, and that when a paper is set conjointly by two examiners it is to count as half a paper for purposes of calculation.

It has been decided that, in the case of candidates for the Indian Civil Service Competitive Examination, the days spent in examination (*i.e.*, from the first to the last paper of the candidate concerned) and in

travelling connected therewith, be counted, on production of satisfactory evidence, as attendance at lectures delivered to their class during the aforesaid period.

Owing to acute financial stringency, the celebration of the Panjab University Jubilee, which was proposed to be held in November or December, 1932, has been postponed for the present. A notice was issued informing the public of this decision. The University also took this opportunity to thank all those candidates who had contributed Re. 1 each to the University Jubilee Celebrations Fund and informed them that souvenirs would be awarded to them in 1933 after the Jubilee celebrations.

Orders were pronounced during the year under report, in the Panjab University Intermediate question-papers theft case which necessitated re-examination. Sultan Ali has been sentenced to two years' rigorous imprisonment and Rs. 1,000 fine, Zamir Hussain to fifteen months' imprisonment and Rs. 500 fine, and Vidya Parkash has been given the benefit of Section 562, C.P.C.

It has been decided that, in the case of girls appearing in the Matriculation Examination from recognised schools, the number of attendances required should be 66 per cent. instead of 75 per cent. as is at present necessary for all pupils, boys and girls. It has further been decided that, in the case of girls alone, no question necessitating the dissection of animals or an experiment requiring a dissected animal be put in the practical examination in Physiology in the Matriculation Examination, but that an alternative question may be put to them.

It has been laid down for all examinations that complaints about question-papers should reach the Registrar within ten days of the date of distribution of the paper concerned.

After considering the proceedings of its Committee appointed to report on the question of giving two papers

a day in all the examinations, the Syndicate has decided that two papers a day be not given in the examinations in which there was only one paper a day at present. The suggestion of the Committee, that serious effort should be made to reduce the length of time required for examination by carefully scrutinising the date sheet and barring unsuitable combinations, has been referred by the Academic Council to a Committee consisting of the Principals of local Arts Colleges and a representative of the Khalsa College, Amritsar.

It has been decided that Rai Kanhya Lal-Pollard Prize of Rs. 90 originally intended for a candidate standing first in the First Examination in Civil Engineering, lying unavailed, be awarded to the student standing first in order of merit in the Final B.Sc. Examination in Engineering.

The Government grant was reduced by Rs. 50,000 (plus Rs. 5,000 from the Travelling Allowance grant for the current year only) in 1931-32 and a further reduction of Rs. 70,000 is made in 1932-33. We thus have Rs. 1,25,000 less from the Government in 1932-33 than in 1930-31.

In the Budget for 1932-33, neither the income is under-estimated nor the expenditure over-estimated. Endeavour has been made to be as near the probable figures as we reasonably could. There is no probability of any material difference between the estimated and revised figures in 1932-33, especially under "Fees of Examinations" and "Law College," though in 1931-32 the revised income under these heads increased by about Rs. 85,000. Increase in expenditure, however, is a certainty. Always supplementary grants are needed. Certain unspent balances are carried over. So whereas the income would remain the same expenditure is bound to increase.

The Estimates for the year have been balanced mainly by adopting the following principles:—

- (a) No extension or improvement of any University activity involving expenditure is proposed during the next year.
- (b) Ruthless retrenchment is made in the existing beneficent grants, *e.g.*, (i) Library grants of all the institutions have been reduced—a serious enough matter for an academic body, (ii) grants for publication of original works of the departments have been reduced, (iii) Oriental Publications Fund grant has been cut down from Rs. 5,000 to Rs. 500, (iv) the grant for Extension Lectures has been reduced from Rs. 5,000 to Rs. 500, (v) grants for extra-mural activities have been reduced, (vi) grant to the University Training Corps has been cut down, (vii) grant for the award of prizes to students has been altogether omitted, (viii) in the Oriental College the amount for stipends has been reduced, (ix) subvention to the institutions associated with the Oriental College has been reduced by 50 per cent., (x) there is to be no inspection of colleges next year as this year. The above are only illustrative. There have been heavy reductions all round.
- (c) A cut on salaries has been made.
- (d) Rules relating to travelling and halting allowances have been revised and rates reduced.
- (e) Owing to want of funds the various University meetings had to be delayed or crowded together.

It is obvious that all the above measures are only of a temporary nature for one year otherwise we would once again be reduced to more or less an examining machine. There does not seem to be any

possibility of increase in the fees. As a matter of fact in certain examinations the drop in number of candidates is already visible. It is thus imperatively necessary that the University grant cut down by the Government under financial stress should be restored in 1933-34.

During 1931-32, the following grants were received from the Punjab Government :—

	Rs.	A.	P.
(a) Recurring Grant for Teaching ...	35,000	0	0
(b) Grant for General Purposes ...	22,493	0	0
(c) Grant for Travelling Allowance to Fellows and Inspectors of Colleges ...	5,000	0	0
(d) Grant for Oriental College ...	31,500	0	0
(e) Appointments Board ...	2,400	0	0
(f) For the School of Chemistry ...	65,000	0	0
(g) For the Zoology Department ...	15,000	0	0
(h) Library Grant ...	307	14	9
(i) For the Foreign Information Bureau ...	2,500	0	0
(j) For the Honours School in Technical Chemistry ...	20,000	0	0
(k) For Commerce College ...	42,820	0	0
(l) For Improvement of Physical Culture of Lahore University Students ...	9,000	0	0
(m) For Vernacular Chairs in the Oriental College ...	6,559	0	0
(n) For Vice-Chancellor's personal allowance ...	3,000	0	0
(o) For University Extension Lectures ...	2,500	0	0
TOTAL ...	2,63,079	14	9

For the year 1932-33, the following grants have been sanctioned by the Punjab Government :—

	Rs.	A.	P.
For University Teaching ...	26,696	0	0
For Travelling Allowance to Fellows and Inspectors of Colleges ...	5,000	0	0
For General Purposes ...	25,000	0	0
For School of Chemistry ...	60,000	0	0
For the Oriental College and for the improvement of the Oriental College Staff ...	23,500	0	0

	Rs.	A.	P.
For Foreign Information Bureau ...	1,750	0	0
For Honours School in Technical Chemistry ...	20,000	0	0
For Hailey College of Commerce ...	37,000	0	0
For Vernacular Chairs in the Oriental College ...	7,054	0	0
For Vice-Chancellor's personal allowance ...	3,000	0	0
TOTAL ...	2,09,000	0	0

All the grants have been realised. In order to earn more interest so far as possible, the policy of purchasing treasury bills in place of short term deposits has been pursued with benefit. As stated in the last Report, the urgent need of the University to acquire land both for buildings and for playgrounds within reasonable distance of the University area continues.

The Financial Statement for the year 1931-32 is attached as Appendix III.

. ISHWAR DAS,

Joint-Registrar.

APPENDIX I.

EXAMINATIONS.

TABLE A.

Statement showing the examinations held during the last two years in the various Faculties with the number of candidates who appeared and passed:—

	1930-31.			1931-32.		
	No. of candi- dates.	No. passed.	Pass percent- age.	No. of candi- dates.	No. passed.	Pass percent- age.
ORIENTAL FACULTY—						
Matriculation ..	..	..	..	..	..	..
F.O.L. ..	..	..	..	..	..	..
B.O.L. ..	2	2	100	1	1	100
M.O.L. ..	1	..	..	1	1	100
ORIENTAL LANGUAGES—						
<i>Sanskrit—</i>						
Prajna ..	350	222	63·4	323	195	60·3
Visharad ..	305	117	38·3	264	76	28·7
Shastri ..	194	52	26·8	185	58	31·3
<i>Arabic—</i>						
Maulvi ..	17	11	64·7	11	5	45·4
Do. Alim ..	20	9	45	14	6	42·8
Do. Fazil ..	81	51	62·9	63	28	44·4
<i>Persian—</i>						
Munshi ..	125	88	70·4	110	74	67·2
Do. Alim ..	44	23	52·2	41	18	43·9
Do. Fazil ..	516	187	36·2	492	155	31·5
<i>Hindi—</i>						
Proficiency ..	809	492	60·8	1,069	701	65·5
High Proficiency ..	209	134	64·1	258	137	53·1
Honours ..	110	45	40·9	152	56	36·8

	1930-31.			1931-32.		
	No. of candi- dates.	No. passed.	Pass percent- age.	No. of candi- dates.	No. passed.	Pass percent- age.
ORIENTAL LANGUAGES—						
<i>(contd.)</i>						
<i>Panjabi—</i>						
Proficiency ..	134	62	46.2	134	81	60.4
High Proficiency ..	3	3	100	4	4	100
Honours ..	165	56	33.9	185	86	46.4
<i>Urdu—</i>						
Proficiency ..	62	38	61.2	58	30	51.7
High Proficiency ..	206	120	58.2	194	46	23.7
Honours ..	49	8	16.3	44	4	9.09
Proficiency in Panjabi in Persian Script	12	9	75	15	9	60
High Proficiency in Panjabi in Persian Script ..	1	..	..	1	1	100
Honours in Panjabi in Persian Script..	..	..	..	3	..	..
<i>Pashto—</i>						
Proficiency ..	..	..	..	1	1	100
High Proficiency ..	7	7	100	4	4	100
Honours ..	3	3	100	3	..	..
ARTS FACULTY—						
M. & S.L.C. ..	20,116	12,514	62.3	20,333	11,943	58.7
Intermediate ..	3,590	1,559	43.4	3,834	1,859	48.4
B.A. ..	2,364	1,164	49.2	2,582	1,049	40.6
Honours in B.A. (old type) ..	297	114	38.3	290	93	32.09
M.A. ..	259	132	50.9	297	171	57.5
B.T. ..	79	66	83.5	93	85	91.3

NOTE.—The figures given in the table relate to the Examinations held during the session commencing from 1st October to 30th September.

	1930-31.			1931-32.		
	<i>No. of candi- dates.</i>	<i>No. passed.</i>	<i>Pass percent- age.</i>	<i>No. of candi- dates.</i>	<i>No. passed.</i>	<i>Pass percent- age.</i>
SCIENCE FACULTY—						
Intermediate ..	1,417	581	41	1,434	650	45.3
Do. (Medical Stu- dents' Group)	427	158	37.2	402	198	49.5
B.Sc. ..	133	78	58.6	123	51	41.4
Honours in B.Sc. (old type) ..	3	..	..	4	..	..
Honours School Pre- liminary and Subsidiary ..	73	64	87.6	79	67	84.8
B.Sc. Honours School	33	26	78.7	41	36	87.8
M.Sc. (old type) ..	22	16	72.7	18	11	61.1
Do. (Hons. Sch.)—						
Chemistry ..	14	14	100	10	10	100
Botany ..	10	10	100	15	15	100
Zoology ..	1	1	100	3	Result plete.	incom.
Doctor of Science ..	1	1	100	1	1	100
LAW FACULTY—						
First Examination in Law ..	318	191	60	462	277	59.9
Bachelor of Laws ..	263	175	66.5	256	146	57.03
Special Test in Law (October) ..	..	..	..	4	4	100
Special Test in Law (April) ..	10	10	100	4	4	100
Diploma in Convey- ancing and Deed- Writing ..	..	..	..	29	17	58.5
MEDICAL FACULTY—						
First Professional Examination for M.B.B.S. ..	130	54	41.5	122	62	50.8

NOTE. - The figures given in the table relate to the Examinations held during the session commencing from 1st October to 30th September.

	1930-31.			1931-32.		
	<i>No. of candi- dates.</i>	<i>No. passed.</i>	<i>Pass percent- age.</i>	<i>No. of candi- dates.</i>	<i>No. passed.</i>	<i>Pass percent- age.</i>
MEDICAL FACULTY— (<i>contd.</i>)						
Second Professional Examination for M.B.B.S. ..	86	53	61.6	90	80	88.8
Final Professional Examination for M.B.B.S. (October Session) ..	104	38	36.5	88	37	42.04
Do. (April Session) ..	65	40	61.5	50	30	60
Doctor of Medicine ..	2	1	50	1	1	100
COMMERCIAL FACULTY—						
First Examination in Commerce ..	..	..	..	35	16	45.7
Bachelor of Commerce	44	29	65.8	41	30	73.1
AGRICULTURAL FACULTY—						
First Examination in Agriculture ..	87	58	66.6	66	43	65.1
B.Sc. (Agriculture) Part I ..	..	..	..	71	50	70.4
B.Sc. (Agriculture) Old Group ..	69	40	57.9	75	34	45.3
M.Sc. (Agriculture) ..	2	2	100	2	2	100
ENGINEERING FACULTY—						
1st Exam. in Engineering ..	..	..	..	13	9	69.2

NOTE.—The figures given in the table relate to the Examinations held during the session commencing from 1st October to 30th September.

	1930-31.			1931-32.		
	<i>No. of candi- dates.</i>	<i>No. passed.</i>	<i>Pass percent- age.</i>	<i>No. of candi- dates.</i>	<i>No. passed.</i>	<i>Pass percent- age.</i>
ENGINEERING FACUL- TY— (<i>contd.</i>)						
2nd Exam. in Engi- neering .. ..	..	..	..	6	3	50
Final Exam. in Engi- neering (Electrical)	..	..	..	11	7	63·6
Final Exam. in Engi- neering (Mechanical)	..	..	..	7	6	85·7
OTHER EXAMINATIONS—						
S.L.C.	57	25	43·8	78	29	37·1
TOTAL ..	*34,439	..	..	34,700	..	..

NOTE. · The figures given in the table relate to the Examinations held during the session commencing from 1st October to 30th September.

* This includes figures for the Supplementary Examinations also which have been separately shown in Table B.

TABLE B.

Statement showing the number of candidates (appeared and passed) at the Supplementary Examinations held during the sessions 1930-1931 and 1931-1932 :—

	1930-1931.		1931-1932.	
	<i>No. of candi- dates.</i>	<i>No. passed.</i>	<i>No. of candi- dates.</i>	<i>No. passed.</i>
ARTS FACULTY—				
Intermediate ..	293	226	282	217
B.A.	133	116	61	51
SCIENCE FACULTY—				
Intermediate ..	182	143	175	153
Do. (Medical Group)	54	37	48	41
B.Sc.	27	23	15	14
Hons. Sch. Preliminary and Subsidiary ..	13	10	8	4
FACULTY OF AGRICUL- TURE—				
F.Sc. (Agriculture) ..	23	18	15	12
B.Sc. (Agriculture) ..	29	25	20	17
FACULTY OF MEDICINE—				
1st Prof. M.B.B.S. ..	54	46	30	24
2nd Prof. M.B.B.S. ..	40	37	21	19
FACULTY OF COMMERCE—				
1st Examination in Com- merce	11	10	13	12
Bachelor of Commerce ..	7	7	3	3
FACULTY OF LAW—				
F.E.L.	32	29	13	11
LL.B.	53	53	27	27
TOTAL ..	951	..	731	..

NOTE.—The figures given in this table relate to the Examinations held during the session commencing from 1st October to 30th September.

TABLE C.

Statement showing the number of female candidates (appeared and passed) in the various examinations held during the last two years :—

NAME OF EXAMINATION.	1931.		1932.	
	Appeared.	Passed.	Appeared.	Passed.
1. Matriculation	507	317	644	408
2. S.L.C. .. ..	..	..	1	1
3. Intermediate (Arts Faculty) ..	101	70	145	105
4. Do. (Science Faculty)	27	18	34	28
5. B.A.	39	25	57	22
6. B.Sc.	1	1	..	..
7. B.T.	5	5	6	6
8. M.A.	2	2	5	5
9. M.Sc.	1	..	..	..
10. F.E.L.	1	..	..	..
11. First Professional Examination for M.B.B.S.	19	8	22	15
12. Second Professional Examination for M.B.B.S.	16	8	18	11
13. Final Professional Examination for M.B.B.S. (October and April sessions combined) ..	22	11	20	10
14. Proficiency in Urdu	12	6	9	5
15. High Proficiency in Urdu ..	33	12	26	6
16. Honours in Urdu	5	..	3	..
17. Proficiency in Hindi	509	307	697	428
18. High Proficiency in Hindi ..	144	92	194	110
19. Honours in Hindi	51	16	91	23
20. Budhiman	78	31	66	40
21. Vidwan	2	2	2	2
22. Gyani	32	6	37	13
23. Prajna	5	2	9	7
24. Visharad	8	1	5	2
25. Shastri	3	1	..	..
26. Maulvi	2	1	..	..
27. Maulvi Alim .. ..	..	..	1	..
28. Munshi	2	..	8	7
29. Munshi Alim	1	..	..	..
30. Munshi Fazil	13	3	6	1
TOTAL ..	1,641	945	2,106	1,255

The following candidates stood first in their respective examinations held in 1932 :—

M.O.L.—Malik Hardev Bahri, Oriental College, Lahore.

B.O.L.—Dina Nath Dhar, Private Student, Kashmir State.

Prajna.—Ram Kumari Jalvid, Private Student, Jullundur District.

Visharada.—Dharmendra Nath Vedalakar, Private Student, Multan District.

Shastri.—Vadri Datta, S.D. Sanskrit College, Lahore.

Maulvi.—Wali Ullah, Private Student, Lahore District.

Maulvi Alim.—Israr-ul-Haq, Oriental College, Lahore.

Maulvi Fazil.—Mohammad Abdul Razzaq, Private Student, Delhi Province.

Munshi.—Syed Nasir Hussain Shah Azhar, Private Student, Shahpur District.

Munshi Alim.—Mohinuda Khanam, Private Student, Multan District.

Munshi Fazil.—Mohammad Rafiq, Private Student, Lahore District.

Proficiency in Panjabi.—Mit Singh, Oriental College, Lahore ; Dalip Singh, Private Student, Lahore District.

High Proficiency in Panjabi.—Salub Singh, Private Student, Multan District.

Honours in Panjabi.—Hazara Singh, Private Student, Ambala District.

Proficiency in Urdu.—Miss Jamila Begam Amir, Private Student, Gurgaon District.

High Proficiency in Urdu.—Malik Mohd. Feroz-ud-din Bhatti Manzur, Private Student, Shahpur District.

Honours in Urdu.—Qamar-ul-Haq, Private Student, Ambala District.

Proficiency in Pashto.—Homesh Gul, Private Student, Bannu District.

High Proficiency in Pashto.—Fateh Ullah, Private Student, Peshawar District.

Proficiency in Panjabi (Persian Script).—M. Mohd. Hussain, Private Student, Gujranwala District.

High Proficiency in Panjabi (Persian Script).—Mir Mohd. Sharif, Private Student, Lahore District.

Proficiency in Hindi.—Ram Lall Suri, Private Student, Rawalpindi District.

High Proficiency in Hindi.—Kumari Kailash Vati, Private Student, Lahore District.

Honours in Hindi.—Gur Dayal Singh Sharma, Private Student, Amritsar District.

M.S.L.C.—Dev Parkash Nayar, Central Model School, Lahore.

- Intermediate*.—Dharam Parkash Anand, Government College, Lahore.
- B.Sc.*—Raj Kumar, Government College, Lahore.
- Bachelor of Arts*.—Tribhawan Nath Dar, Government College, Lahore.
- Master of Arts*.—Partap Kishen Tikoo, Dyal Singh College, Lahore.
- Bachelor of Teaching*.—Dev Raj Seth, Central Training College, Lahore.
- Master of Science*.—Shamboo Nath Kaw, Government College, Lahore.
- First Examination in Law*.—Girdhar Krishan Bhatnagar, Law College, Lahore.
- Bachelor of Laws*.—Mohamad Akram Sheikh, Law College, Lahore.
- First Professional M.B.B.S. Examination*.—Leila Dharmvir, King Edward Medical College, Lahore.
- Second Professional M.B.B.S.*—Abdul Hamid Shaikh, King Edward Medical College, Lahore.
- Final M.B.B.S. (October, 1931)*.—Riyaz-i-Qadeer, King Edward Medical College, Lahore.
- Final M.B.B.S. (April, 1932)*.—Sharda Naidu, L.H. Medical College, Delhi.
- Bachelor of Commerce*.—Ram Chand Mehra, Hailey College of Commerce, Lahore.
- First Examination in Agriculture*.—Suchcha Singh, Punjab Agricultural College, Lyallpur.
- B.Sc. (Agriculture)*.—Khushi Muhammad Jullunduri, Punjab Agricultural College, Lyallpur.
- B.Sc. (Agriculture), Part I*.—Sardar Singh, Punjab Agricultural College, Lyallpur.
- First Examination in Engineering*.—Donald Nolini Kumar Banerji, MacLagan Engineering College, Moghalpura.
- Second Examination in Engineering*.—Diwan Chand Bharadwaj, MacLagan Engineering College, Moghalpura.
- Final Examination in Mechanical Engineering*.—Indar Sain Sud, MacLagan Engineering College, Moghalpura.
- Final Examination in Electrical Engineering*.—Hargobind Dewan, MacLagan Engineering College, Moghalpura.
- S.L.C.*—Mubarak Shah, Government High School, Mardan.
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APPENDIX II.

Critical and research work published by University and College Teachers.

ORIENTAL AND ARTS.**ARABIC.**

Professor Mohammad Shafi, M.A.—

1. *Analytical Indices of the 'Iqd*, 656 pages have been printed off and final proofs passed up to p. 696.
2. A critical edition of the *Tatimmatu Siwân al-Hikma* (Panjab University Oriental Publication Series), 176 pages have been printed off. This completes the text of the work. The introduction and additional *notes* are now in hand.
3. The following articles appeared in the Oriental College Magazine:—
 - (i) Life and works of al-Shahristání, November 1931, pp. 91-96.
 - (ii) Bahá al-Din Abú Muḥammad al-Kharaqí, February, 1932, pp. 74-80.

M. Sakha Ullah, M.A. (McLeod Arabic Research Student)—

4. An index of works mentioned in the *Mu'jam al Udabá'* of Yáqút, Vol. I. Completed and placed in the Library.

M. Nur-ul-Haq—

5. *Fath-ul-Muqtadir*, a commentary on the Qur'án.

Dr. Sheikh Inayat Ullah, M.A., Teacher, Government Intermediate College, Jhang—

6. "Dante and Islam." *Muslim Revival*, June, 1932, Lahore.
7. "Ahlal Badw wal-Hadar." *The Oriental College Magazine*, August, 1932.

PERSIAN.

Professor Mohammad Iqbal, M.A., Ph.D.—

1. *Zubdatut-tawarikh*, a history of the Seljuqs is being printed in the Panjab University Oriental Publications.

2. "Persian Epic," a translation, with notes, of Noldekes monograph, continuous in the Oriental College Magazine, August and November, 1931, February and May, 1932.

H. M. Shairani—

3. "An old Persian Commentary of the Qur'ân." A contribution to Persian Lexicography, Oriental College Magazine, May, 1932, pp. 1-96.

S. Mohd. Abdullah, M.A., M.O.L.—

4. *Lataif Namâh-i-Fakhri*, a critical edition of the Persian text, 155 pages printed off.

5. Catalogue of Persian Manuscript in the Panjab University Library, continuous in the Oriental College Magazine.

S. Aulad Husain "Shadan" Bilgrami—

6. *Wukala-i-Murafaa* with Urdu Translation, Vocabulary, Preface and minute corrections.

Professor Man Mohan Lal, M.A., Hindu Sabha College, Amritsar—

7. "Dewan-i-Fighani."

SANSKRIT.

Dr. Lakshman Sarup, M.A., D.Phil. (Oxon)—

1. A critical edition of Skandasvamin's commentary on the Nirukta later half chapters VII-XIII, edited for the first time from original palm-leaf manuscript written in Malayalam script.

2. A comparison of the commentaries of Skandasvamin and Dushgacarya on the Nirukta.

P. Madhava Bhandari—

3. A commentary on Vyakaran Mahabhashya in Chapters V and VI of Navanik.

P. Nri Singh Dev Shastri—

4. A comparison of Bauddha and Vedanta Philosophies.

5. A commentary on Pancha Tantra.

Dr. Raghuvira, M.A., Ph.D., D.Litt. et Phil., Professor of Sanskrit, Sanatana Dharma College, Lahore—

6. Article "Chando—Nukramani of the Maitrayani Samhita" in the Journal of the Royal Asiatic Society of Great Britain and Ireland.

7. A critical edition of the Kapisthala-Katha-Samhita.

HINDI.

Dr. Banarsi Das, M.A., Ph.D.—

1. Determination of the line separating the Panjabi and Bangaru pronunciation of the initial *gh*, *bh*, *dh*, etc., and *h* in the Ambala District.

2. Study of Sanskrit Pronunciation as current in various parts of India.

3. Studying Paget's Double resonance Theory of Vowels and devising apparatus for it.

PANJABI.

Dr. Mohan Singh, M.A., Ph.D.—

1. The work on "A History of Panjabi Literature" was carried forward, with special reference to Panjabi Journalism.

Professor Teja Singh, M.A., Khalsa College, Amritsar—

2. The Terminal Vowels in old Panjabi (in Panjabi).

URDU.

H. M. Shairani—

1. The publication of “Majmua-i-Naghz” was continued. The second volume of it is now in the Press.

2. The following articles were published in the Oriental College Magazine:—

- (a) “Haryani, a branch of Urdu Language,” November, 1932, pp. 1-32, and February, 1932.
- (b) A critical examination of an old Persian commentary of the “Quran” (May, 1932, pp. 1-96).

MATHEMATICS.

L. Hans Raj Gupta, M.A., Teacher of Mathematics, Government Intermediate College, Hoshiarpur—

1. On numbers in Medial Progression (Journal of the Indian Mathematical Society, Part I. Issues for June, 1932 and August, 1932).

HISTORY.

The following monographs have been published during the year by the Punjab Government Record Office, under the direction of Principal H. L. O. Garrett, M.A., I.F.S., Keeper of the Records:—

- 1. No. 14. Trial of Diwan Mul Raj, by Sita Ram Kohli, M.A.
- 2. No. 15. Trial of Bahadur Shah II, by H. L. O. Garrett, M.A. In the Press.
- 3. No. 16. Trial of Raja Lal Singh, by R. R. Sethi, M.A.

Professor Gulshan Rai, B.A., LL.B., Sanatana Dharma College, Lahore—

4. Paper on "The Persian King Cyrus the Great and the Indian Saka Era", published in the Journal of the Panjab University Historical Society, first two issues.

Dr. Kahan Chand Khanna, M.A., Ph.D., deMontmorcency College, Shahpur Sadr—

5. Thesis on "Anglo-Sikh Relations, 1839-49", accepted for Ph.D. of London University.

Professor C. J. Chacko, M.A., Ph.D., Forman Christian College, Lahore—

6. "The International Joint Commission between the United States of America and the Dominion of Canada, published by the Columbia University Press, New York. Review by John Bassett Moore in Columbia Law Review, October issue, 1932."

Pandit Sri Ram Sharma, M.A., D.A.-V. College, Lahore—

7. Maharana Pratap, published as the first number of the D.A.-V. College Historical Monographs under the general editorship of Professor Sri Ram Sharma.

ECONOMICS.

Dr. L. C. Jain, M.A., LL.B., Ph.D. (London)—

1. Completed his new book on the *Indian Money Market, 1926-31*, which is being published by Messrs. Macmillan & Co., Ltd. (London).

Dr. I. Durga Parshad, M.A., Ph.D., Forman Christian College, Lahore—

2. "Some Aspects of the Indian-Foreign Trade from 1757 to 1893" (P. S. King Son, Ltd., Orchard House, London).

TEACHING.

Dr. M. Sahai, M.A., Ph.D., Mohindra College, Patiala—

“The Science and Art of Teaching,” comprising about 800 pages, published by the Educational Publishing Co., Kutcheri Road, Karachi.

SCIENCE AND AGRICULTURE.

PHYSICS.

Physics Laboratory, Government College, Lahore.

1. A Method of obtaining Air Currents of different Humidities, by J. B. Seth, *Nature*, Vol. 128 (1931), pp. 638-9.

2. On an e.m.f. between two Metals in Relative Motion, by J. B. Seth, Bhishamji Gulati and Swarn Singh. *Phil. Mag.*, Vol. XII (1931), pp. 409-29.

3. Spectrum of Doubly Ionised Iodine, by J. B. Seth, *Nature*, Vol. 127 (1931), p. 165.

4. Passage of an Electric Discharge through Gases, by J. B. Seth and Bal Mukand, *Nature*, Vol. 126, p. 808.

5. A Modified Apparatus for Raman Effect, by Bal Mukand, *Journal of Scientific Instruments*, Vol. VIII, pp. 258-60.

6. A Modified Apparatus for Raman Effect. Supplementary by Bal Mukand. *Journal of Scientific Instruments*, Vol. IX, pp. 324-5.

7. A Test of Rival Theories of Active Nitrogen, by Bhagwan Das and Hans Raj, *Journal of Indian Chem. Soc.* for January, 1932.

8. Under-water Spark Spectra in the Infra Red, by Miss Setna, *Indian Journal of Physics*, Vol. VI, pp. 29-34.

9. Spark Spectrum of Arsenic, by Mela Ram, *Indian Journal of Physics*, Vol. VII, pp. 299-305.

Mela Ram, M.Sc., Forman Christian College, Lahore—

10. "Spark Spectrum of Arsenic," *Journal of Physics*, Vol. VII, Part IV.

L. D. Mahajan, M.Sc., A.Inst.P., Lecturer in Physics, Mohindra College, Patiala—

11. "The Effect of Light on the Surface Tension of Boy's Soap Solutions." *Nature*, London, Vol. 128, p. 496, September 19, 1931.

12. "Surface Tension of different dilutions of Boy's Soap Solutions." *Proceedings of the Ind. Sc. Cong., Bangalore, 1932, Mathematics and Physics Section*, p. 22.

13. "The Effect of Light on the Surface Tension of Boy's Soap Solutions." *Proceedings of the Ind. Sc. Cong., Bangalore, 1932, Mathematics and Physics Section*, p. 22.

14. "The Effect of Light on the Surface Tension of Boy's Soap Solutions." *Nature*, London, Vol. 129, p. 133, June 23, 1932.

15. "Vibrations of different parts of the Piano-forte Soundboard." *Current Science*, Bangalore, Vol. I, No. 2, p. 37, August, 1932.

16. "Surface Tension of different dilutions of Boy's Soap Solutions." *Phil. Mag.*, London, Vol. XII, pp. 954-59, November, 1931.

CHEMISTRY.

University Chemical Laboratories.

1. Chemiluminescence of Amarine, by S. S. Bhatnagar and K. G. Mathur. (*Zeit. physikal. Chem.*, 1932, 159, 454.)

2. Magnetic Properties of Solid Solutions, by S. S. Bhatnagar and Pyara Lal Kapur. (*Jour. Ind. Chem. Soc.*, 1932, 7, 347.)

3. A Magnetic Study of Colour Changes in Cobalt Chloride, by S. S. Bhatnagar and Amar Nath Kapur. (*Jour. Ind. Chem. Soc.*, 1932, 7, 341.)

4. Electronic Constitution of some Simple and Complex Derivatives of Copper in relation to their Magnetic Properties, by S. S. Bhatnagar, Balwant Singh and Abdul Ghani. (Ind. Jour. Phys., 1932, 7, 323.)

5. Studies in Triboluminescence, by S. S. Bhatnagar, K. G. Mathur and K. L. Budhiraja. (Zeit. Phys. Chemie., October, 1932.)

6. Influence of Temperature on Diamagnetism, by S. S. Bhatnagar. (Special Number of the Jour. Ind. Chem. Soc., 1932.)

7. Magnetism and Chemistry, by S. S. Bhatnagar. (Memorial Volume (Citizens), Sir P. C. Ray Number, 1932.)

8. Anomalous Diamagnetism of Bismuth, by R. N. Mathur and Mulk Raj Verma. (Ind. Jour. Phys., 6, 181, 1931.)

9. Influence of Temperature on the Diamagnetism of Liquids, by R. N. Mathur. (Ind. Jour. Phys., 6, 1931.)

10. Mechanism of Mutual Flocculation, by D. C. Bahl. (Koll. Zeits., 1932, 59, 60.)

11. Phloroglucinol Method for the Determination of Mechanical Wood Pulp in Paper, by H. B. Dunningcliff and H. D. Suri. (Analyst, 57, 354, 1932.)

12. Studies in Chemotherapy, Part II, by J. S. Aggarwal, A. U. Qureshi and J. N. Ray. (Jour. Amer. Chem. Soc., 1932, 3989.)

13. Studies in Chemotherapy, Part III, by G. S. Ahluwalia, B. D. Kochhar and J. N. Ray. (Jour. Ind. Chem. Soc., 1932, 9, 215.)

14. Hormones, by J. N. Ray. (Jour. Brit. Med. Assoc., April, 1932.)

15. Experiments on the Synthesis of Isoquinolines, Part II, by K. S. Narang, J. N. Ray and S. S. Silooja. (Jour. Chem. Soc., October, 1932.)

16. Oxidation of SO_2 in the Electrodeless Discharge, by S. D. Mahant. (Jour. Ind. Chem. Soc., September, 1932.)

Forman Christian College.

17. "1: 4- $\beta\alpha$ -Naphthapyrones," by B. K. Menon and K. Venkataraman. (Jour. of the Chem. Soc., 1931, 139, 2591.)

18. "Chromones derived from 2-Phenylacetyl-1-naphthol and 2-B Phenylpropionyl-1-naphthol," by U. S. Cheema and K. Venkataraman. (Jour. of the Chem. Soc., 1932, 141, 918.)

19. "2-Styrylchromones," by U. S. Cheema, K. C. Gulati and K. Venkataraman. (Jour. of the Chem. Soc., 1932, 141, 925.)

20. "A Synthesis of 7: 8: 3': 4': 5'—Pentahydroxyflavone and related flavones," by I. C. Badhwar, K. S. Kang and K. Venkataraman. (Jour. of the Chem. Soc., 1932, 141, 1107.)

21. "The Condensation of Formylphenylacetonitriles with Phenols—Part II," by I. C. Badhwar and K. Venkataraman. (Journal of the Chem. Soc., 1932, 141, 2420.)

The following papers were read before the Chemistry Section of the Indian Science Congress held at Bangalore in January, 1932, and abstracted in the Proceedings of the Indian Science Congress, 1932:—

- (1) Studies in some physical properties of Gels by N. A. Yajnik, D. N. Goyle and Shiv Lal.
- (2) On the Texture of Commercial Soaps, by P. C. Speers, N. A. Yajnik, D. N. Goyle and Zafar-ud-Din.
- (3) The saponification of emulsified oils, by P. C. Speers, N. A. Yajnik, D. N. Goyle and Mohammad Shafi.

BOTANY.

Professor Shiv Ram Kashyap, University Professor—

1. Some aspects of the alpine vegetation of the Himalaya and Tibet. Presidential Address to the Ind. Sc. Cong. at Bangalore. As. Soc. Beng., 1932.

Dr. H. Chaudhuri, University Reader—

2. The Science of Plant Life, Past and Present. Presidential Address to the Botany Section, Ind. Sc. Cong., Bangalore, 1932. As. Soc. Beng.

3. Further studies on "green-ear" of Bajra. Ind. Sc. Cong., Bangalore, abs. p. 9, 1932.

4. *Fomes leucophaeus* Mont. on *Spiræa*. Ind. Sc. Cong., Bangalore, 1932, abs. p. 9.

5. A case of penicilloid type of conidiophores in *Aspergillus nidulans*. Ind. Sc. Cong., Bangalore, 1932, abs. p. 9.

6. Notes on *Cordyceps* from Tibet. Ind. Sc. Cong., Bangalore, 1932, abs. p. 10.

7. Recherches sur la bacteria des nodosites radicaire du *Casuarina equisetifolia* (Fort). Bull. Soc. Bot. de France, Vol. LXXVIII, Nos. 7 and 8, 1931.

8. Nutritive saltation in Fungi. Jour. Ind. Bot. Soc., Vol. X, No. 2, 1931, p. 154.

9. On a myzocitium parasitic on *Spirogyra affinis*. Archiv. fur Protistenkunde, Vol. LXXV, No. 3, 1931.

10. Jointly with A. R. Akhtar. A study of the root tubercles of *Podocarpus chinensis*. Jour. Ind. Bot. Soc., Vol. X, No. 2, pp. 92-94.

11. Jointly with A. R. Akhtar. The coral-like roots of *Cycas revoluta*, *Cycas circinalis* and *Zamia floridana* and the alga inhabiting them. Jour. Ind. Bot. Soc., Vol. X, No. 1, pp. 43-59.

Dr. S. L. Ghose, Lecturer, Government College, Lahore—

12. Proliferation of the cone in a species of *Selaginella* from Garhwal. Ind. Sc. Cong., Bangalore, 1932, abs. p. 18.

13. Jointly with Abdul Majid. A contribution to our knowledge of the Diatomaceæ of the Punjab. Ind. Sc. Cong., Bangalore, 1932, abs. p. 1.

14. Jointly with Abdul Majid. On a collection of Algæ from the Salt Range, Punjab. Ind. Sc. Cong., Bangalore, 1932, abs. p. 2.

15. Jointly with L. S. Bath. Mitosis in three species of *Ficus*, i.e., *F. religiosa*, *F. bengalensis*, and *F. krishnae*. Ind. Sc. Cong., Bangalore, 1932, abs. p. 23.

16. Jointly with L. S. Bath. Microsporogenesis in *Dodonaea viscosa*. Ind. Sc. Cong., Bangalore, 1932, abs. p. 23.

Prof. M. C. Sethi, Forman Christian College, Lahore—

17. A species of *Dichotomosiphon* from the Punjab. Ind. Sc. Cong., abs pp. 3 and 4.

18. *Monostroma* sp. Ind. Sc. Cong., abs. pp. 3 and 4.

Pt. Bhagat Ram, M.Sc., Demonstrator of Botany—

19. The structure and development of *Petalophyllum indicum* Kash. Cur. Sc., Vol. 1, No. 2, 1932.

A. C. Joshi, M.Sc.—

20. Abnormal plants of *Argemone mexicana*. Ind. Sc. Cong., Bangalore, 1932, abs. p. 27.

21. Secondary thickening in the roots of *Stellera chamaejasme*. Ind. Sc. Cong., Bangalore, 1932, abs. p. 27.

22. The permeation method of *Zexurene sulcata*. Ind. Sc. Cong., Bangalore, 1932, abs. p. 27.

P. N. Mehra, M.Sc.—

23. Apogamy in some Indian Ferns. Ind. Sc. Cong., Bangalore, 1932, abs. p. 16.

24. Collenchymatous thickening in some prothallia. Ind. Sc. Cong., Bangalore, 1932, abs. p. 17.

25. Repeated dichotomies in the gametophyte of *Anisogonium esculentum*. Ind. Sc. Cong., Bangalore, 1932, abs. p. 17.

26. A note on the occurrence of superficial sori in *Osmunda claytoniana*. Jour. Ind. Bot. Soc., Vol. XI, No. 2, 1932.

27. Occurrence of tracheids in the gametophyte of *Adiantum lunulatum*. Cur. Sc., Vol. I, No. 2.

28. *Ceropteris calomelanos* L. in Sikkim (sent for publication to the Jour. Ind. Bot. Soc.).

G. L. Chopra, M.Sc.—

29. Some new Lichens from the Sikkim Himalayas. Ind. Sc. Cong., Bangalore, 1932, abs. p. 14.

30. Lichens from Simla. Ind. Sc. Cong., Bangalore, 1932, abs. p. 14.

31. Lichens from Vaishno Devi (Kashmir) Ind. Sc. Cong., Bangalore, 1932, abs. p. 11.

A. Majed, M.Sc.—

32. On a new species of Gomphonema. Ind. Sc. Cong., Bangalore, 1932, abs. p. 1.

33. A note on the peculiar movement of a species of *Navicula*. Ind. Sc. Cong., Bangalore, 1932, abs. p. 2.

D. S. Johar, M.Sc.—

34. Citrus canker, due to *Pseudomonas citri*, in the Punjab. Ind. Sc. Cong., Bangalore, 1932, abs. p. 4.

Gurcharan Singh, M.Sc.—

35. A short note on soil Algæ. Ind. Sc. Cong., Bangalore, 1932, abs. p. 3.

36. Fungus flora of Lahore soils. Ind. Sc. Cong., Bangalore, 1932, abs. p. 7.

R. C. Sawhney, M.Sc.—

37. Morphological and physiological characters of the root-nodule organisms of a few leguminous plants of Lahore. Ind. Sc. Cong., Bangalore, 1932, abs. p. 5.

38. Cross-inoculation studies with the root-nodule organisms of a few leguminous plants of Lahore. Ind. Sc. Cong., Bangalore, 1932, abs. p. 6.

39. Morphology and anatomy of the root-nodules of a few leguminous plants of Lahore. Ind. Sc. Cong., Bangalore, 1932, abs. p. 42.

A. H. Sheikh, M.Sc.—

40. Study of *Cladosporium herbarum* on *Pisum sativum*. Ind. Sc. Cong., Bangalore, 1932, abs. p. 10.

41. Study of the gram blight caused by *Ascochyta pisi*. Ind. Sc. Cong., Bangalore, 1932, abs. p. 10.

Mohd. Shafi, M.Sc.—

42. Some diseases of the cotton plants of the Punjab. Ind. Sc. Cong., Bangalore, 1932, abs. p. 10.

43. Studies in physiology of *Fusarium* sp. from cotton. Ind. Sc. Cong., Bangalore, 1932, abs. p. 10.

44. Angular leaf spot of cotton. Ind. Sc. Cong., Bangalore, 1932, abs. p. 11.

V. S. Kapur, M.Sc.—

45. Grey blight on tea due to *Pestalozzia theae* Sowada. Ind. Sc. Cong., Bangalore, 1932, abs. p. 12.

46. Brown spot disease due to *Phoma theicola* Petch. Ind. Sc. Cong., Bangalore, 1932, abs. p. 13.

47. A study of pycnidial formation in *Phoma theicola* Petch. Ind. Sc. Cong., Bangalore, 1932, abs. p. 13.

Mohammed Aslam, M.Sc.—

48. A study of the wilt disease of tomato plants caused by a *Cephalosporium* sp. Ind. Sc. Cong., Bangalore, 1932, abs. p. 13.

Murari Lal, M.Sc.—

49. Fusarium wilt of potatoes. Ind. Sc. Cong., Bangalore, 1932, abs. p. 14.

50. Pink rot of apple. Ind. Sc. Cong., Bangalore, 1932, abs. p. 14.

51. Water requirements of winter crops. Ind. Sc. Cong., Bangalore, 1932, abs. p. 38.

M. N. Nayar, M.Sc.—

52. A study of the *Calycularia crispula* Mitten. Ind. Sc. Cong., Bangalore, 1932, abs. p. 15.

ZOOLOGY.

(1) "A demonstration of vacuome and the Golgi apparatus as independent cytoplasmic components in the fresh eggs of Teleostean fishes," by Dr. Vishwa Nath, Ph.D., and Murli Dhar Nangia, M.Sc. Jour. Morph and Physiol, Vol. 52, No. 1, pp. 277-307, 1931.

(2) "A demonstration of the vacuome and the Golgi apparatus as independent cytoplasmic components in the fresh eggs of the frog," by Dr. Vishwa Nath, Ph.D. Zeitschrift fur Zellforschung und Mikroskopische Anatomie, Bd. 13, heft 1, pp. 82-108, 1931.

(3) "Studies in the Origin of Yolk VI. The crustacean oogenesis," by Dr. Vishwa Nath, Ph.D. Quarterly Journal of Microscopical Science, London, Vol. 74, Part IV, pp. 669-99, 1931.

(4) "On the Fire-fly of Lahore," by Dev Raj Mehta, M.Sc., pp. 101-18, plates IX-X, 1932.

This is the third Monograph to be published in the Bulletin of the Department of Zoology, Panjab University.

The following papers were read before the Section of Zoology of the Indian Science Congress at its session held at Bangalore, in January, 1932:—

- (1) "On the genus *Pocillopora* from the Great Barrier Reef of Australia," by Prof. G. Matthai.
- (2) "On a collection of sponges from Karachi," by Anand Kumar, M.A., and Sukh Dyal, M.Sc.
- (3) "The Ecology of Polychaetes," by Najm-ud-Din Aziz, M.Sc.
- (4) "The Ecology of the Entomostraca of Lahore," by Guran Lal Arora, M.Sc.
- (5) "Yolk Nucleus in the spider *Plexippus paykulli*," by Sukh Dyal, M.Sc.
- (6) "Oogenesis of rabbit," by Sukh Dyal, M.Sc.
- (7) "A comparative study of the nervous system of the Streptoneurous Gastropods of Karachi and Lahore," by Nazeer Ahmad Janjua, B.Sc. (Hons.).
- (8) "A comparative study of the Radulae of the Streptoneurous Gastropods of Karachi and Lahore."
- (9) "A study of Ant-Behaviour," by Sher Ahmad, B.Sc. (Hons.).

AGRICULTURE.

1. Some Bird Enemies of the Desert Locust (*Schistocerca gregaria*, Forsk.) in the Ambala District (Punjab), by M. Afzal Husain, M.A. (Cantab.), Entomologist to Government, Punjab, and Hem Raj Bhalla, B.Sc. (Ag.), Agricultural Assistant, Department of Agriculture, Punjab. Published in the Indian Journal of Agricultural Science, Vol. I, Part V, October, 1931.

2. Food Plants of *Dialeurodes Citri*, Ashmead (*Aleyrodidae*) is *Jasminum* one of them, by M. Afzal

Husain, M.A. (Cantab.), I.A.S., and Abdul Wahid Khan, M.Sc. Agr. (Punjab), the Punjab Agricultural College, Lyallpur. Published in the Indian Journal of Agricultural Science, Vol. II, Part III, June, 1932.

3. Observations on the immature stages of some Indian Psyllidæ (Homoptera, Rhynchota), by Khan A. Rahman, B.Sc. (Edin.), Assistant Professor of Entomology, the Punjab Agricultural College, Lyallpur. Published in the Indian Journal of Agricultural Science, Vol. II, Part IV, August, 1932.

4. Experiments on Rationing of Silage to Cows, by C. N. Dave, B.Ag. (Bom.), and Harbans Singh, I.D.D. (Alld.), M.R.A.S., Khalsa College, Amritsar. Published in Agriculture and Live-stock in India, Vol. II, Part I, January, 1932.

5. Cost of Milk Production at Lyallpur, Punjab, by D. P. Johnston, A.R.C.Sc.I., N.D.A., and Kartar Singh, B.Sc. (Agri.), N.D.D., L.Ag.

6. Farm Accounts with special reference to well irrigation, by Kartar Singh, B.Sc. (Agri.), N.D.D., L.Ag.

(Nos. 5 and 6 can be had from the Board of Economic Enquiry, Punjab, Lahore.)

7. Physico-chemical changes accompanying the process of reclamation in the alkali soils, by Dalip Singh and S. D. Nijhawan. Indian Journal of Agricultural Science, Vol. II, February, 1932.

8. Some Digestibility Trials on Indian Feeding Stuffs, Part VIII (Some Punjab Hays, III, and Wheat Bhusa), by P. E. Lander and Lal Chand. The Indian Journal of Veterinary Science and Animal Husbandry, Vol. II, June, 1932.

9. The availability of Phosphates in Bone Meal, by P. E. Lander and Dalip Singh. The Agriculture and Live-stock in India (November, 1932).

10. Book entitled "Field and Garden Crops of the Punjab", by D. Milne and Ali Mohaminad. (Can

be had from the Manager, Civil and Military Gazette Press, Lahore.)

Jai Chand Luthra, M.Sc., D.I.C. (London), I.A.S., Associate Professor of Botany, Punjab Agricultural College, Lyallpur—

11. Some studies in respiration and other metabolic activities in berries of the grape vine (*Vitis Vinifera*, Linn). Jointly with Indar Singh Cheema. Indian Journal of Agricultural Science, Vol. 1, Part VI, December, 1931.

12. Some preliminary studies on Grain-blight with reference to its cause and mode of perennation in North Punjab. Jointly with Kishan Singh Bedi. Indian Journal of Agricultural Science, October, 1932.

K. C. Naik, M.Sc., Agricultural Assistant of the Botanical Section—

13. Factors governing Bud Formation. Jointly with T. Swarbrick. Journal of Pomology and Horticultural Science, Vol. X, No. 1, March, 1932, pp. 42-63.

14. A study of orange marketing in England with special reference to the possibilities of marketing of Punjab oranges. Indian Journal of Agriculture and Live-stock, Vol. II, Part II, March, 1932, pp. 130-56.

APPENDIX III.

FINANCIAL.

The ordinary Receipts and Disbursements of the Current and Special Endowed Trusts Accounts of the Panjab University for the financial year ending 31st March, 1932, were as follows :—

HEADS OF INCOME AND EXPENDITURE.	Actuals for 1931-32.			Special Endowed Trusts Accounts.			TOTAL.		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Opening Balance ..	1,77,096	5	4	1,819	1	6	1,78,915	6	10
INCOME.									
1. Fees of Examinations ..	7,75,699	3	3	....			7,75,699	3	3
2. Registration fee ..	50,187	2	0	....			50,187	2	0
3. Other fees ..	27,343	2	0	....			27,343	2	0
4. Library ..	1,561	2	3	....			1,561	2	3
5. Publications ..	61,881	0	7	....			61,881	0	7
6. Miscellaneous ..	13,353	14	6	....			13,353	14	6
7. Interest ..	24,177	4	9	24,698	14	0	48,876	2	9
8. Contributions ..	2,64,279	14	9	....			2,64,279	14	9
9. Law College ..	1,15,742	13	0	....			1,15,742	13	0
10. Oriental College ..	2,942	1	9	....			2,942	1	9
11. Hailey College of Commerce	17,913	1	3	....			17,913	1	3
12. Special Donations and Subscriptions	20,221	10	0	....			20,221	10	0
13. Contributions towards building funds ..	....			....			....
14. Investments matured and advances refunded ..	1,51,441	6	7	....			1,51,441	6	7
TOTAL ..	17,03,840	2	0	26,517	15	6	17,30,358	1	6

HEADS OF INCOME AND EXPENDITURE.	Actuals for 1931-32.			Special Endowed Trusts Accounts.	TOTAL.				
EXPENDITURE.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
1. General Administration	1,28,536	7	6	....			1,28,536	7	6
2. Remuneration to Examiners	2,73,528	9	0	....			2,73,528	9	0
3. Printing Question Papers	41,966	9	6	....			41,966	9	6
4. Conducting Examinations	2,29,163	4	1	....			2,29,163	4	1
5. Library	47,734	3	2	....			47,734	3	2
6. Garden and Tournament Ground	5,348	8	8	....			5,348	8	8
7. Publications	21,647	2	9	....			21,647	2	9
8. Miscellaneous	42,764	5	9	24,643	5	9	67,407	11	6
9. Law College	82,446	15	3	....			82,446	15	3
10. Oriental College	96,385	11	4	....			96,385	11	4
11. Hailey College of Commerce	64,413	9	7	....			64,413	9	7
12. Improvement of Physical Culture	12,027	0	0	....			12,027	0	0
13. University Teaching	2,22,888	12	3	....			2,22,888	12	3
14. Improvement of Education	55,087	10	2	....			55,087	10	2
15. Appointments Board and Foreign Information Bureau	5,759	7	11	....			5,759	7	11
16. Oriental Publications Fund .. ..	....			....			....
17. Expenditure on building .. ..	....			....			....
18. Investments and advances made	1,77,766	1	6	....			1,77,766	1	6
Closing Balance	1,96,375	11	7	1,874	9	9	1,98,250	5	4
TOTAL	17,03,840	2	0	26,517	15	6	17,30,358	1	6

	INVESTMENTS.			CASH IN HAND.		
	Rs.	A.	P.	Rs.	A.	P.
1. Current Account ..	6,70,980	0	0	1,96,375	11	7
2. Provident Fund Account	5,86,600	0	0	23,197	10	6
3. Special Endowed Trusts						
Account ..	5,32,600	0	0	1,874	9	9
TOTAL ..	17,90,180	0	0	2,21,447	15	10

The following table shows the Abstract Account of the Original Donations received for the various Trusts, their gross value in Government Paper, and the Cash Balance at credit or debit of each Trust on the 31st March, 1932:—

No.	HEADS OF ACCOUNTS.	Capital on 31st March 1931 in Govern- ment Se- curities.	Capital in- vested in Govern- ment Se- curities during the year 1931-32.	Closing Balance on 31st March, 1932.
		Rs.	Rs.	Rs. A. P.
1	Alfred Patiala Research Student- ship ..	26,900	..	—198 7 6
2	Alexandra Research Studentship ..	13,550	..	—2,007 3 6
3	McLeod Kashmir Sanskrit Research Studentship ..	39,450	300	113 0 8
4	McLeod Kapurthala N.S. Research Studentship ..	32,700	..	120 15 0
5	Mayo Patiala Engineering Research Studentship ..	22,500	..	—325 3 10
6	McLeod Punjab Arabic Research Studentship ..	30,800	600	162 2 8
7	Alfred Nabha Jhind Scholarship ..	12,000	..	78 14 2
8	Bahawalpur Arabic ..	15,300	400	173 0 8
9	Amritsar McLeod Memorial Scho- larship ..	6,750	..	153 14 0
0	Fuller Exhibition Scholarship ..	14,150	100	58 4 7
1	Jhind Panjabi ..	8,000	..	—66 5 1

No.	HEADS OF ACCOUNTS.	Capital on	Capital in-	Closing
		31st March	vested in	
		1931 in	Government	Balance on
		Government	Securities	31st March,
		Securities.	during the	1932.
			year	
			1931-32.	
		Rs.	Rs.	Rs. A. P.
12	Patiala Gurmukhi Teaching and Scholarship Fund	15,900	..	—418 0 3
13	Brandreth Leitner Prize	1,000	..	91 4 4
14	Jaishi Ram Medal	2,350	..	74 4 2
15	MacLagan Gold Medal	2,100	..	2 13 9
16	Inayat Ali-Watson Silver Medal ..	1,150	..	47 0 9
17	Inayat Ali-Griffin Prize	2,400	..	79 11 9
18	Alwar Gold Medal	3,900	..	80 7 11
19	Rai Kanhaya Lal-Pollard Prize ..	2,150	..	144 10 5
20	Khalifa Muhammad Hussain-Aitchi- son Medal	4,050	..	110 1 5
21	Khalifa Muhammad Hussain Jubi- lee Medal	9,450	300	99 1 10
22	Aitchison-Ram Rattan Sanskrit Scholarship	34,950	100	369 0 7
23	Wakefield Memorial Prize	2,550	100	53 1 2
24	Cooper Medal	1,150	..	89 11 7
25	Patiala Sime Medal	3,650	..	89 8 10
26	F.S. Jamal-ud-Din Medal	1,300	..	—0 1 6
27	Prince Albert Victor Patiala Scholarship	76,750	600	215 1 4
28	D.B. Bhagwan Das-Bullo Mall Gold Medal	2,150	..	40 1 0
29	Shrimati Dhan Devi and Shrimati Jai Kaur Medal	1,150	..	53 13 0
30	Rai Sahib Munshi Gulab Singh- Denzil Ibbetson Diamond Jubilee Purse	2,900	..	41 7 4
31	K.B. Sheikh Nanak Baksh Medal ..	1,150	..	60 7 6
32	Sahibzada Muhammad Obedulla Khan Medal	1,450	..	88 11 10
33	Malik Das Ram-Topan Mal Silver Medal	650	..	34 5 6
34	R.B. Beli Ram Ramchand-Victoria Memorial Prize	400	..	7 0 0
35	R.B. Lala Sagar Chand Silver Medal	500	..	48 4 1

No.	HEADS OF ACCOUNTS.	Capital on 31st March 1931 in Govern- ment Se- curities.	Capital in- vested in Govern- ment Se- curities during the year 1931-32.	Closing Balance on 31st March, 1932.
		Rs.	Rs.	Rs. A. P.
36	Anjuman-i-Islamia Arnold Silver Medal	400	..	31 12 0
37	Kanwar Sir Harnam Singh-Rivaz Gold Medal	2,500	..	78 12 0
38	Dr. Rahim Khan's Memorial Fund	1,550	..	52 5 8
39	Dr. Bishen Das Medal	400	..	7 5 0
40	R.B. Mela Ram-Rivaz Medal	3,350	..	80 4 10
41	Davies Pakhoke Medal	700	..	21 7 5
42	Karm Devi-R.B. Beli Ram Memo- rial Medal	800	..	36 7 6
43	Lady Dane Gold Medal	100	..	55 6 2
44	Patiala Ranbir Medal	3,450	..	27 13 1
45	Baba Khem Singh Medal	600	..	39 4 8
46	Dane-Malerkotla Medal and Scholar- ship	12,450	100	127 14 6
47	R.S. Lala Chuni Lal Medal	2,300	..	65 3 6
48	The Oman Prize	650	..	58 13 6
49	L. Ruchi Ram Declamation Prize	1,100	..	—10 2 4
50	Shah Din Asghari Khanum Medal	2,800	..	110 13 9
51	K.B. Sh. Nasir-ud-Din Medal	2,700	..	64 5 5
52	Mrs. Sinha's Bequest	78,900	2,400	647 5 9
53	Sir P. C. Chatterjee Endowment	5,200	..	27 2 0
54	Amrit Lal Roy Medal	1,250	..	52 14 10
55	Sir Ganga Ram Medal and Scholar- ship	5,250	..	108 5 9
56	R.S. M. Gulab Singh-deMont- morency Medal	1,300	..	352 4 3
57	Thanksgiving Fund .. .. .	..	2,500	36 2 10
58	Chatterji Endowment .. .. .	..	..	37 8 0
	TOTAL ..	5,25,100	7,500	1,874 9 9

By order,

ISHWAR DAS,

*Joint-Registrar,
University of the Panjab.*

VIII.

CONVOCATION FOR CONFERRING DEGREES, 1932.

(a) THE FIFTY-FIFTH CONVOCATION.

The Senate of the University of the Panjab assembled in Convocation for the purpose of conferring Degrees and Medals and Prizes, at the University Hall, Lahore, on Friday, the 23rd December, 1932.

The following Fellows of the University habited in the prescribed academical costume (those who were graduates of this or other Universities wearing the hoods of their Degrees) met in the side-rooms at 11-40 A.M.:—

The Bishop of Lahore.

R. Sanderson, Esq., M.A., I.E.S., *Director of
Public Instruction, Punjab.*

Lala Bhagwan Das, B.A.

S. Arbel Singh, B.Sc.

The Hon'ble Mr. Justice Tek Chand, M.A.,
LL.B.

M. Abdul Ghani, M.A.

Khan Bahadur Khwaja Abdur Rahman, M.B.,
Ch.B., D.P.H.

Dr. H. B. Dunncliff, M.A., Sc.D., F.I.C.

Dr. G. Matthai, M.A., Sc.D. (Cantab.), F.Z.S.,
F.L.S., F.R.S.E., I.E.S.

Lt.-Col. J. J. Harper Nelson, O.B.E., M.C.,
I.M.S.

Lala Devi Dyal, B.A.

P. C. Speers, Esq., B.Sc.
 M. Mohammad Shafi, M.A.
 S. R. Kashyap, Esq., R.B., B.A., M.Sc., I.E.S.
 Sardar Sahib Bawa Uddham Singh, B.Sc., B.T.
 Miss L. M. Stratford, B.A., M.B.F.
 Dr. S. S. Bhatnagar, D.Sc., F.Inst.P.
 Rai Bahadur Lala Durga Das, B.A., LL.B.
 Lala Gulshan Rai, B.A., LL.B.
 Dr. Muhammad Iqbal, M.A., Ph.D.
 Sardar Bahadur Bhai Bishan Singh, B.A., I.E.S.
 (Retd.).
 M. Muhammad Shafi, M.A. (*Head Master*).
 S. Jodh Singh, M.A.
 C. L. Anand, Esq., M.A., LL.B., *Bar.-at-Law*.
 The Hon'ble Justice Sir Abdul Qadir, Kt., K.B.,
 B.A., *Bar.-at-Law*.
 Lt.-Col. H. L. O. Garrett, M.A., I.E.S.
 J. F. Bruce, Esq., M.A.
 Rev. Dr. E. D. Lucas, M.A., D.D., Ph.D.
 W. A. Barnes, Esq., B.A.
 Dr. S. D. Muzaffar, M.A., M.Sc., Ph.D.
 Diwan Bahadur Raja Narendra Nath, M.A.,
 M.L.C.
 Dr. Muhammad Sadr-ud-Din, M.A., D.Litt.
 Dr. Khalifa Shuja-ud-Din, M.A., LL.D.
 Rana Abdul Hamid Khan, M.A.
 P. N. Dutt, Esq., B.A., R.B.
 Colonel D. P. Goil, M.B., Ch.B. (Edin.),
 F.R.G.S.E., I.M.S.
 Rai Bahadur Pandit Balak Ram Pandya, F.A.A.
 (London).
 Miss T. E. M. Wright, B.A.
 S. Charan Singh, M.Sc.
 M. Inam Ali, B.A., K.B.

Accompanied by the Principals of recognised Colleges, who were present as guests of the University, the Fellows moved in procession at 11-44 A.M. to the platform.

The Vice-Chancellor arrived at 12 noon, and was received at the main entrance to the Hall by the Members of the Syndicate, and conducted to the *dais*.

At the request of the Registrar, the Vice-Chancellor declared the Convocation open.

The Vice-Chancellor then, in accordance with the prescribed procedure, conferred upon the following candidates the Degrees for which they were severally recommended by the Senate:—

IN THE FACULTY OF ORIENTAL LEARNING.

MASTER OF ORIENTAL LEARNING

(List given at the end).

IN THE ARTS FACULTY.

MASTER OF ARTS.

(List given at the end).

BACHELOR OF TEACHING.

(List given at the end).

IN THE LAW FACULTY.

BACHELOR OF LAWS.

(List given at the end).

IN THE MEDICAL FACULTY.

DOCTOR OF MEDICINE.

(Name given at the end).

FINAL M.B.B.S.

(List given at the end).

IN THE SCIENCE FACULTY.

DOCTOR OF SCIENCE.

(Name given at the end).

MASTER OF SCIENCE.

(List given at the end).

BACHELOR OF SCIENCE (HONOURS SCHOOL).

(List given at the end).

IN THE FACULTY OF AGRICULTURE.

BACHELOR OF SCIENCE IN AGRICULTURE.

(List given at the end).

IN THE FACULTY OF COMMERCE.

BACHELOR OF COMMERCE.

(List given at the end).

IN THE FACULTY OF ENGINEERING.

FINAL EXAMINATION IN ENGINEERING.

(List given at the end).

The Degrees having been conferred, the roll on which the Degrees were recorded, having been presented by the Registrar, was signed by the Vice-Chancellor.

The Registrar then presented to the Vice-Chancellor the persons present from amongst the following candidates who, since the date of the last Convocation of the Panjab University, had earned distinction by gaining medals and prizes stating briefly the claims of each person to distinction:—

I.—Medallists.

1. Z. gm. 50—McLeod Sheikh Nur Mohammad, Oriental Gold Medal and Purse. College, Lahore, for standing first in Arabic in the M.A Examination.

- 1-A. Y. ha. 58—McLeod Gold Medal and Purse. Somadatta Varma, Oriental College, Lahore, for standing first in Sanskrit in the M.A. Examination.
2. 28 dm. 19—Alwar Gold Medal. Kanhaya Lal Kapur, D.A.-V. College, Lahore, for obtaining most marks in English and Sanskrit taken together in the B.A. Examination.
3. 28 y. 41—Arnold Silver Medal. Tribhawan Nath Dar, Government College, Lahore, for taking the highest place in the B.A. Examination.
4. W. f. 27—Arnold Gold Medal. Balmokand Piplani, Forman Christian College, Lahore, for standing first in Economics in the M.A. Examination.
- 4-A. Z. g. 17—Arnold Gold Medal. Sardari Lal, Government College, Lahore, for standing first in Economics in the M.A. Examination.
5. 28 dj. 98—R.B. Lala Sagar Chand Silver Medal. Faqir Chand Auluck, D.A.-V. College, Jullundur, for obtaining the highest total number of marks in both the Courses of Mathematics in the B.A. Examination.
6. 27 g. 24—Patiala-Sime Gold Medal. Sri Krishan Bhalla, Government College, Lahore, for taking the highest place in English in the B.A. Examination.
7. Z. gm. 50—F.S. Jamal-ud-Din Silver Medal. Sheikh Nur Mohammad, Oriental College, Lahore, for standing first in Arabic in the M.A. Examination.
8. X. f. 56—Maclagan Gold Medal. Har Gobind Dewan, Maclagan Engineering College, Moghalpura, for standing first in the Final Engineering Examination.
9. Y. dr. 23—Khalifa Muhammad Hassan Jubilee Medal. Malik Hardev Bahri, Oriental College, Lahore, for standing first in the M.O.L. Examination.
10. Z. gm. 50—Khalifa Muhammad Hassan-Aitchison Gold Medal. Sheikh Nur Muhammad, Oriental College, Lahore, for standing first in Arabic in the M.A. Examination.

11. W. f. 27—Inayat Ali-Watson Silver Medal. Bal Mukand Piplani, Forman Christian College, Lahore, for taking the highest place in Economics in the M.A. Examination.
- 11-A. Z. g. 17—Inayat Ali-Watson Silver Medal. Sardari Lal, Government College, Lahore, for taking the highest place in Economics in the M.A. Examination.
12. 28 u. 173—Jaishi Ram Gold Medal. Girdhar Krishan Bhatnagar, Law College, Lahore, for standing first in the First Examination in Law.
13. 30 g. 11—Shrimati Dhan Devi and Shrimati Jai Kaur Silver Medal. Sagar Chand Jain, Government College, Lahore, for standing first in Sanskrit in the Intermediate Examination.
- 13-A. 30 u. 37—Shrimati Dhan Devi and Shrimati Jai Kaur Silver Medal. Srish Chandar Datta, Government Intermediate College, Lyallpur, for standing first in Sanskrit in the Intermediate Examination.
14. 32 z. 1724—Sahibzada Mohammad Abdul Razzaq, Delhi Province, Private Student, for standing first in the Maulvi Fazil Examination.
15. Y. i. 206—Khan Bahadur Sheikh Nanak Bakhsh Silver Medal. Abdul Qadir, Government College, Lahore, for taking the highest place in Philosophy in the M.A. Examination.
16. Y. f. 185—Dr. Rahim Khan Gold Medal. Tika Ram Tewari, King Edward Medical College, Lahore, for standing first in the M.B.B.S. Examination.
17. X. g. 85—Rivaz-Mela Ram Gold Medal. Dev Raj Seth, Central Training College, Lahore, for standing first in the B.T. Examination.
18. Y. g. 81—Dr. Bishan Das Silver Medal. Santokh Singh Anand, King Edward Medical College, Lahore, for standing second in the M.B.B.S. Examination.
19. 27 z. 733—D.B. Bhagwandas Bullomal Gold Medal. Bibhabasu Das, Sri Pratap College, Srinagar, for standing first in Sanskrit in the B.A. Examination.
20. U. g. 131—Hon'ble Sir Ranbir Singh Gold Medal. Mohamed Akram Sheikh, Law College, Lahore, for standing first in the LL.B. Examination.

21. 28 x. 4—The Dane-Maler Ijaz Ahmad Saddiqi, Govern-
Kotla Gold Medal. ment College, Lahore, for
standing first in the B.A.
Examination from among
those who took Arabic.
22. 30 cw. 21—Shah Din Perakash Rani, Lahore College
Asghari Khanum Gold for Women, Lahore, for stand-
Medal. ing highest in the Intermediate
Examination from among the
female candidates taking
Persian or Urdu.
23. Z. u. 9—Nasir-ud-Din- Sant Lall, Dyal Singh College,
O'Dwyer Gold Medal. Lahore, for standing first in
Persian in the M.A. Examina-
tion.
- 23-A. P. i. 84—Nasir-ud-Din- Mohammad Ali, Islamia College,
O'Dwyer Gold Medal. Lahore, for standing first in
Persian in the M.A. Examina-
tion.
24. 32 z. 129—Lady Dane Lakshmi Devi, Kangra District,
Gold Medal. Private Student, for standing
highest in the Intermediate
Examination from among the
female candidates taking
Sanskrit or Hindi.
25. 28 dm. 19—Anrit Lal Kanhaya Lal Kapur, D.A.-V.
Roy Gold Medal. College, Lahore, for obtaining
the highest number of marks
in English and Sanskrit taken
together in the B.A. Examina-
tion.
26. 27 u. 62—deMontmorency- Ram Chand Mehra, Hailey Col-
Gulab Singh Gold lege of Commerce, Lahore,
Medal. for standing first in the Bache-
lor of Commerce Examina-
tion.

II.—*Special Prizes.*

1. R.B. Beli Ram-Ram Dharmendra, V. A., Private
Chand Victoria Memo- Student, Multan District, for
rial Prize. standing first in Sanskrit in
the Matriculation Examina-
tion.
2. X. f. 56—Rai Kanhaya Har Gobind Dewan, MacLagan
Lal-Pollard Prize. Engineering College, Moghal-
pura, for standing first in the
Final Engineering Examina-
tion.

3. X. g. 33—Inayat Ali—Ghulam Sarwar Khan Bhatti, Law College, Lahore, standing first in the First Examination in Law in the subject of Muhammadan Law.
4. 28 y. 134—Rai Sahib Munshi Gulab Singh—Denzil Ibbetson—Vidya Sagar Nanda, Government College, Lahore, for standing first in English in the M.A. Examination.
5. 28 g. 10—Oman Prize ... Panna Lal Kapur, Government College, Lahore, for standing first in Physics on the results of the B.A. and B.Sc. Examinations.
6. 30 f. 232—Ruchi Ram Sahni—Albert Parmanand, Forman Christian College, Lahore. Prize.

When all had been presented, Sir Hassan Suhrawardy, Lieutenant-Colonel, O.B.E., M.D., F.R.C.S.I., D.P.H., Vice-Chancellor, Calcutta University, addressed as follows:—

MR. VICE-CHANCELLOR, LADIES AND GENTLEMEN,

Allow me to express to the authorities of this University my great appreciation of the honour they have done me by asking me to address this Convocation. I am very much indebted to them for the courtesy they have shown to the Calcutta University by inviting its Vice-Chancellor to be the speaker at to-day's function.

It is a great pleasure to me to be here to-day in the capital town of the great land of five waters, which has been for centuries the theatre of epoch-making events in history. From the days when the Aryans crossed over from beyond the Hindu-kush, down to modern times, the Punjab has been the gateway of India: the place of interchange of the cultures of many nations: Iranians and Turanians, Greeks and Scythians, Aryans and Dravidians, Mongols and Chinese, of people from the East and people from the West. The Punjabi, one of the finest specimens of mankind, embodies in him the result of a wonderful interracial and intercultural synthesis. His physical impressiveness is as arresting as his mental alertness is remarkable. Among the sons of the Punjab and the alumni of this University have been men who have won distinctions in many and varied fields of activity. We have had amongst them distinguished soldiers, renowned sportsmen, captains of industry,

leaders of political thought, illustrious, religious and social reformers, great poets and philosophers. At the present moment the Department of Education, Health and Lands of the Government of India is in charge of a gifted and versatile son of the Punjab. I could go on recounting the names of many other worthy sons of this province who have shed lustre on the spheres of their respective activities and spread the name and fame of their motherland.

PERIOD OF MOMENTOUS CHANGES.

Graduates of the University of the Panjab, it is a source of deep gratification to me to offer you my sincerest congratulations. You have my very best wishes for your success in the future which is now opening out before you. You have had exceptional opportunities here of obtaining knowledge and skill, and you will have greater opportunities in the spacious days to come of serving your country. You are beginning your life at a period which is fraught with the deepest moment to the future of your country: you are on the threshold of great constitutional reforms, leading to increased responsibilities for the children of the soil; you are in the midst of changes in age-old customs and social traditions; you are in the throes of a great economic and industrial upheaval. Great will be your share in the shaping of the future destiny of your motherland. It is your duty to devote your time and energy to the proper understanding of the essential features of our national development so that you may worthily play your part in the great task which lies ahead.

SOCIAL TRANSITION.

While it is essential to recognise that changes are necessary, it is equally important to note that blind and superficial imitation of other nations and of other countries may lead to disaster. While there is much that is dead and effete, in our customs and practices, there is also much that is worth preserving. You are not truly educated, if you do not understand the relative fitness of things and do not develop in yourselves an attitude of discriminating criticism in regard to social problems. Things like untouchability, purdah system, early marriage, caste-restrictions, are impediments to future advancement which you cannot afford to tolerate for ever. The development of a democratic spirit is hardly consistent with the prevalence of social habits which perpetuate distinctions between man and man. I appeal to you, young men and women, to bestow your serious thought on these important problems of national well-being.

INFLUENCES AT WORK.

With regard to changes due to the operation of Western influences, to contact with other countries and with higher and more liberal education, it is essentially necessary to adopt a sane and balanced view. Without hesitation I would like to recognise the fact that the influence of Western civilisation, of scientific advancement and education has, on the whole, exercised a beneficial influence on our country. I must, however, warn you against the superficial adoption of Western modes of living without the proper assimilation of Western culture and civilisation and of the ideals which guide everyday life in the West. I would like to impress on you that whereas there is a good deal to be adopted and assimilated for our own benefit from the civilisation and culture of the West, you should always treat with respect and veneration your age-old traditions and civilisation, so that you may never run the risk of getting reformed out of recognition, losing your own identity and individuality. It should not at all be difficult to build upon the foundations of our past greatness a beautiful and enduring structure with a happy blend of the best in the methods and ideals of the West and of the East.

ECONOMIC EVOLUTION.

I should now for a moment like to turn to the economic changes that are beginning to take place in our country. You very often hear the slogan that India has great economic resources, and that if these were properly utilised, our country would be one of the richest in the world. As a matter of fact, estimates of our national production and income show that India is perhaps one of the poorest countries on earth, and I feel it my duty on this important occasion to make a few observations on our economic development, in which some of you will, I hope, take your due share.

EXPANSION OF AGRICULTURE.

Let us take agriculture first. It is obvious that with the help of a systematised policy of agricultural advance, our ryots can produce more and improve the quality of the crops as well. The Punjab Land Alienation Act has proved a boon to your agricultural population, but still I venture to think that the indebtedness of the rural population is as bad in the Punjab as in other provinces. How to free the agricultural population who are victims of money-lenders, whether it can be done by the extension of the Co-operative Movement or the institution of a Land Mortgage Banking System or by any other means, are questions which should engage the serious thoughts of the

educated classes. I am convinced that rural reconstruction in its different aspects is an occupation to which many of our educated men can turn their attention, not only without any loss of dignity, but with real profit to themselves and their country.

INDUSTRIAL DEVELOPMENT : COTTAGE INDUSTRY.

Turning towards industrial expansion, I find that almost all categories of industries—large, middle-sized and small—afford suitable careers for men possessing the necessary talents and skill. When we realise that it is only a very small fraction of our total population that lives in large cities and is connected with large-scale industries, the need for developing medium-sized and, specially, cottage industries becomes most pressing. We must so devise our industrial policy as to afford chances to the cultivators to increase their agricultural output and thereby improve their purchasing power. I feel sure that the urgent task in our country on the industrial side is the development of medium-sized and, as I have mentioned above specially, of cottage industries. It will provide the agricultural labourer with work during the time he is off his agricultural occupations. It will improve the income of the ryot and his purchasing power and thus contribute to a gradual rise in the standard of living of the nation. Perhaps the safer policy for our country would be one of industrial decentralisation rather than of concentration.

OVERCROWDING IN UNIVERSITIES : VOCATIONAL GUIDANCE.

I would now like to speak for a moment on the important subject of University education. "The Universities have been hampered in their work by being overcrowded with students who are not fitted by capacity for University education and of whom many would be far more likely to succeed in other careers." While there has been a great increase in the number of Universities and University men, there does not, however, seem to have been a corresponding rise in the level of quality.

The tragedy of unemployment among the graduates and their inefficiency, is largely the result of following the beaten track of University education, not with the noble object of acquiring knowledge for the sake of knowledge, but in order to obtain diplomas and degrees which will ensure them entrance into Government and other services. The present examination system tends to encourage cramming. It has occurred to me that while the questions set in examinations are very impressive, answers do not indicate that the students have an adequate appreciation and understanding of the problems raised. Many of them repeat the answers they have been drilled to learn.

While thus the powers of memory are exercised, I am afraid, those of understanding and judgment are not brought into adequate use. It does not matter if our questions are not so distinguished or not so pedantic. Our aim should be to ascertain whether the students have had a thorough understanding of the basic and fundamental principles of the subject in which they are examined.

It will be a good thing if instead of giving undue importance to the passing of University examinations as a qualification for entering posts under Government and elsewhere, special tests are instituted for the various kinds of service.

A large percentage of persons who are mentally and constitutionally unsuited for higher education will do well to be diverted to industrial and commercial channels and given a start upon a useful career while they are still young enough to learn. By a judicious and proper application of psycho-analysis and experimental psychology, we may be able to direct the energies of our young men in the right path, and thereby save them from pitfalls and untold miseries in their after-life.

I am convinced it will save Government a good deal of expenditure in the judicial, the jail and the police departments, if they spend a comparatively small sum of money to start in every University a department for vocational guidance and an employment bureau. I call the special attention of our Ministers in charge of Education in the different provinces of India to this aspect of our educational policy.

SCIENTIFIC RESEARCH.

As regards research work of which so much is heard at the present day, I have my own misgivings, and I venture to express my view before this learned body, that the severest scrutiny is necessary in selecting persons for a career in the higher work of research in a University. I do not deny that there has been some excellent work done in Arts and Science in our Universities, and with pardonable pride I may draw attention to what has been accomplished in the Post-Graduate Departments of my own University and in the departments of Chemistry and Biology in the University of the Panjab. But I must also admit that research work has been made a fetish of, and much of it is made to order, with loss of perspective in dealing with materials. There are so many who empty their note-books into print without realising that raw material will have to be understood and assimilated before it can yield fresh materials or discoveries.

No responsible teacher should present to his students or his readers work which is merely one of scissors and paste. Research work can only be considered valuable and desirable, if the facts gathered, preferably for the first time, are so linked

up and are so elucidated that new ideas and new principles can be drawn from them. We must be able to throw new light upon the subject, or discover the inter-connectedness of important fields of work and make some definite contribution to knowledge, whether in Science or in Letters.

SCOPE OF UNIVERSITY EDUCATION.

I am rather diffident to discuss or to speak on the scope of the present system of University education. The matter is now engaging the attention of the Panjab University Enquiry Committee. But I venture to express the opinion that like the Khalsa College at Amritsar the Punjab has the possibilities of providing not one, but many ideal places to serve as intellectual centres, amidst historic environments and living forces which help to mould the strength of mind and the character of a nation. Whether you decide to have one University or more, whether your University be of the unitary type for direct teaching, or of the federal type with affiliated colleges in different parts of the province, I venture to express the hope that you will not allow one University to be a replica of another. Their ideals and ultimate aims may be the same, but each must have a distinctive stamp of its own. For example, one University may give more attention to the claims of ancient and modern languages and the liberal professions, another may devote itself to scientific subjects and specialise in applied science, while yet another may take up technological, mechanical and vocational instruction.

The organisation and maintenance of a University require expenditure of large sums of money, and until larger educational endowments are made by the princes and the people of the country, it may not be found practicable on financial grounds to encourage the establishment of new Universities. Extramural institutions specialising in suitable branches of study and all-India institutions at different centres, run on cheaper lines than Universities, may meet the national demand for higher scientific education. For instance, the Punjab is eminently suited for the establishment of an all-India institution for special training in agriculture.

FACTORS OF POLITICAL UNREST.

I would now like to make a very brief reference to the causes of political unrest amongst the educated classes. Unemployment is certainly an important factor. I am, however, convinced that the political unrest and upheaval we are witnessing everywhere have a psychological and a pathological background due to defective nutrition and nervous over-strain. I would like to invite the special attention of all members of Government in

the different provinces of India and also of the Hon'ble Sir Fazl-i-Husain to this important problem, and start with the least possible delay an enquiry into the causes of ill-health among the masses of this country,—into the psychological, physical, pathological, economic and environmental factors, which are responsible for the unbalancing of the minds and the warping of the imagination, and the distorting of the ideals of many of our youths. It appears to me that poor food, unemployment, overcrowding in the Universities with students unsuitable for higher education, are some of the chief factors. It is therefore essential to conduct a detailed survey of the food resources of the country and to classify indigenous food materials in categories of their nutrition value and encourage and guide our young men to take to professions and callings which they are financially, physically, intellectually and temperamentally fitted to pursue.

We are on the threshold of great constitutional reforms. It is in the fitness of things that the educationists of my country should consider the ways and means of overhauling and re-organising the entire machinery of University education to bring it in conformity with the requirements of time and the needs of the country.

INTER-COMMUNAL UNITY.

I cannot conclude my address without drawing the attention of our graduates to the important topic of unity amongst the different communities of India. When I look upon the bitterness with which communal strife has been carried on in this country within the last few years I am mortified to feel that education has apparently lost its true mission. The Universities must be regarded as the training centres for turning out broad-minded, tolerant and self-reliant citizens. Education must drive off from within our minds the darkness of ignorance and emancipate us from the bondage of bigotry and denominational bias,—must teach us to avoid exclusiveness, narrow-mindedness and selfishness.

Graduates of the University, having drunk at the same fountain of knowledge, is it not natural to expect you, the youths of the Hindu, Muslim, Sikh and other communities of India, to cultivate mutual understandings and friendships in the class-rooms, in the field of sports and manly games, which will enable you to go out into the world as brothers and comrades in arms for the realisation of your great ideals?

There can however be no true friendship and good will without a feeling of equality and without breaking down the barriers of snobbery and the tyranny of caste. Those who may be advanced in education and in opulent circumstances should provide every facility for the better education of those who are

educationally backward, so that through liberal education, the greatest gift of mankind, they will be in a position to look eye to eye with one another and appreciate one another's point of view.

Different communities should allow one another to maintain their own identity and treasure their own traditions. One community should not try to overpower, stifle or efface the other out of existence, but help it to develop its special culture and genius. Like flowers of different hues and shades, of different degrees of perfume, sweetness and beauty, students of the University, of all castes and creeds, enrich and beautify the garden of your country.

My young friends, I cannot conclude my address better than by recalling the soul-stirring words of our national Hindu and Muslim poets.

ہم چل پڑے ہیں لیکن منزل ابھی ہے کوسوں
 اور سخت مشکلوں میں ہے کاروان ہمارا
 آپس کی دشمنی کے یہ دن نہیں ہیں ہرگز
 بچے ہی جبکہ دشمن ہے آسمان ہمارا
 حب وطن کا ملکر سب ایک راگ گائیں
 لہجہ جدا ہو گرچہ مرغان نغمہ خوان کا
 یہ وقت ہے کہ کہہ دیں سب ہو کے یک زبان ہم
 ہندی ہیں ہم وطن ہے ہندوستان ہمارا

آملے غیریت کے پردوں کو پھر اُٹھا دیں
 بچھڑوں کو پھر ملا دیں نقشِ دو ٹی مڈا دیں
 مندر میں ہو بلانا جس دم پجاریوں کو
 آواز اذان میں ناقوس کو چھپا دیں

اگني ۾ وه جو نورگن كهڻي هيڻ پيت جسڪو
 دهرمرن ڪي بهه بکھيرے اس آگ سے جلا دين
 مذعب نهين سڪھاتا آپس مين بير رکھنا
 هندي هيڻ هم وطن ۾ هندوستان همارا

"The caravan has started on its journey, but the goal is still far off, many are the difficulties, arduous is the journey before us.

Oh unlucky ones, this is not the time nor the occasion for disruption, pettiness and jealousies.

Let us all sing to the same tune of the love of the mother-country, though the melody and the voices be different."

Now is the moment when we should all unite and with one voice say, "We are *Hindis* (Indians) and the land of *Hindustan* is our motherland."

Come along, let us unite, and discard the veil of other-ness; unite those who have straggled away from the fold and efface the difference of "you" and "me" and become one.

Let the call summoning the votaries to the place of worship be such that the music of the temple of the Brahmin may be drowned in the voice of the Muazzin.

May the fire of love consume all the elements of discord and reduce the different denominations into one precious mass.

Religion does not teach you to harbour feelings of distrust and grudge against each other; we are all children of *Hind*, the same Mother India, the land of *Hindustan* is our common mother-country.

After the conclusion of the address, the Vice-Chancellor declared* the Convocation closed.

The Vice-Chancellor was then conducted by the Fellows to the main entrance and took his departure.

(b) FIFTY-SIXTH (SPECIAL) CONVOCATION OF
THE UNIVERSITY OF THE PANJAB FOR
CONFERRING THE HONORARY DEGREE
OF DOCTOR IN THE FACULTY OF LAW
ON HIS EXCELLENCY SIR GEOFFREY
FITZHERVEY DEMONTMORENCY,
M.A., G.C.I.E., K.C.S.I., K.C.V.O.,
C.B.E., I.C.S., CHANCELLOR
OF THE UNIVERSITY.

The Senate of the University of the Panjab assembled in Convocation for the purpose of conferring an Honorary Degree in the University Hall, Lahore, on Saturday, the 14th January, 1933, at 12 noon.

The following Fellows of the University, habited in the prescribed academical costume (those who were graduates of this or other Universities wearing the hoods of their Degrees), met in the robing room at 11-40 A.M.:—

- A. C. Woolner, Esq., C.I.E., M.A., F.A.S.B.
- R. Sanderson, Esq., M.A., I.E.S., *Director of Public Instruction, Punjab.*
- B. N. Khosla, Esq., M.A.
- Bawa Harkrishan Singh, M.A.
- Khan Bahadur Khwaja Abdur Rahman, M.B., Ch.B., D.P.H.
- Dr. H. B. Dunnicliff, M.A., Sc.D., F.I.C.
- Dr. G. Matthai, M.A., Sc.D. (Cantab.), F.Z.S., F.L.S., F.R.S.E., I.E.S.
- Lt.-Col. J. J. Harper Nelson, O.B.E., M.C., I.M.S.
- Khan Bahadur Sayed Maqbool Shah, I.E.S.
- Lala Devi Dyal, B.A.
- Lala Jagan Nath Aggarwal, M.A., LL.B., M.L.A.
- P. C. Speers, Esq., B.Sc.
- M. Mohammad Shafi, M.A.
- Sardar Sahib Bawa Udham Singh, B.Sc., B.T.

Miss L. M. Stratford, B.A., M.B.E.
 Rai Bahadur Mr. Man Mohan, M.A.
 Dr. S. S. Bhatnagar, D.Sc., F.Inst.P.
 Rai Bahadur Lala Durga Das, B.A., LL.B.
 Lala Gulshan Rai, B.A., LL.B.
 Dr. Muhammad Iqbal, M.A., Ph.D.
 M. Mohammad Shafi, M.A. (*Head Master*).
 S. Jodh Singh, M.A.
 The Hon'ble Malik Sir Firoz Khan Noon, Kt.,
Bar.-at-Law.
 Manohar Lal, Esq., M.A., M.L.C., *Bar.-at-Law*.
 Bakhshi Ram Rattan, B.A., B.T.
 The Hon'ble Justice Sir Abdul Qadir, Kt., K.B.,
 B.A., *Bar.-at-Law*.
 Lt.-Col. H. L. O. Garrett, M.A., I.F.S.
 J. F. Bruce, Esq., M.A.
 U. Krumet, Esq., B.A. (Cantab.).
 Rev. Dr. E. D. Lucas, M.A., D.D., Ph.D.
 W. A. Barnes, Esq., B.A.
 J. E. Parkinson, Esq., M.A., I.E.S.
 Dr. S. D. Muzaffar, M.A., M.Sc., Ph.D.
 Dr. Mohammad Sadr-ud-Din, M.A., D.Litt.
 Dr. Khalifa Shuja-ud-Din, M.A., LL.D.
 Rana Abdul Hamid Khan, M.A.
 Mukund Lal Puri, Esq., M.A., M.L.C., *Bar.-at-Law*.
 A. C. C. Hervey, Esq., M.A., I.E.S.
 Colonel D. P. Goil, M.B., Ch.B. (Edin.),
 F.R.C.S.E., I.M.S.
 Rai Bahadur Pandit Balak Ram Pandya, F.A.A.
 (London).
 S. Charan Singh, M.Sc.

Accompanied by the Principals of recognised colleges, who were present as guests of the University, the Fellows moved in procession headed by the Registrar at 11-45 A.M. to the platform.

His Excellency the Chancellor of the University arrived at 12 noon at the west-end entrance of the

Hall, and was received there by the Vice-Chancellor and the Members of the Syndicate, and conducted to the *dais*.

At the request of the Vice-Chancellor, His Excellency the Chancellor declared the Convocation open.

The Vice-Chancellor in stating the object for which Convocation had been summoned made the following speech:—

YOUR EXCELLENCY, LADIES AND GENTLEMEN,

This Convocation has been summoned for the sole purpose of conferring an Honorary Degree—that is the Degree of Doctor of Laws—on His Excellency the Chancellor. Before reading the Resolution of the Senate in this behalf and proceeding with the formalities of conferring the Degree, I wish to express on behalf of the University our feelings of satisfaction on this occasion.

We are glad indeed to be able to welcome him here to-day and to offer him a testimony of our appreciation not only of a distinguished official career, with its long record of magnificent service, but also of his keen interest in the University and sympathy with so many of its activities.

There is no need to relate the numerous offices our Chancellor has held from the day in 1899 when he first came to the Punjab as an Assistant Commissioner to 1928 when he became Governor of this province. The record is well known to most of you, and many of you have known him at different stages, whether at Jhelum or Lyallpur, at Simla or at Delhi. Nor would it be fitting for the University to dwell on the details of this record. Any attempt at appraisement of the high qualities it has revealed would be out of place while His Excellency is still with us, especially as it is not our custom to use the veil of a dead language on these occasions. In Sanskrit or in Arabic one might speak more freely in the belief that the recipient of the eulogy would generally not realise till later exactly what was said. It is a hard thing to praise an English (or Irish) gentleman to his face, in his own language without offence; yet with regard to the Chancellor, a member of the Body Corporate of this University, we may perhaps claim the right to voice our sentiments more explicitly.

It happens, but rarely, that a Vice-Chancellor becomes the Chancellor. Only once before in my memory has a Vice-Chancellor officiated as Chancellor and that only for a few weeks, mostly in the vacation.

This circumstance of His Excellency having held both offices has brought him into closer contact with the University than

many predecessors and constitutes, as it were, a double reason for enrolling him among our graduates. No Chancellor we may safely affirm has shown a greater interest in the University or has acquired a more penetrating knowledge of all its activities.

The period, when Sir Geoffrey deMontmorency was Vice-Chancellor, showed no signs of stagnation, but rather many evidences of development and experiment. I shall not enumerate all that was done, all that was initiated in that time, but I may refer especially to the institution of the Hailey College of Commerce, to which Sir Geoffrey devoted so much attention and the revision of the functions of University bodies in 1928 with regard to which his advice was sought at every stage. Mention may also be made of Extension Lectures, optional Vernacular in the B.A., Vernacular Lectureships, Readership in Astronomy, Assistant Controller of Examinations, the Secrecy System, the Director of Physical Training, the completion of the Hailey and Maynard Halls, work started on the great hostel provided for the Law College and named the Montmorency Hall.

All these matters and many others received in turn his close attention, as every officer of the University found in him a sympathetic friend. In spite of his manifold preoccupations the Chancellor has maintained this interest and has often shown a surprising awareness of what was going on. The one word of regret, we may permit ourselves, is that we are to lose him so soon and that it will not be possible for His Excellency to preside, as we had hoped, at our Jubilee Celebrations, which we have been compelled to postpone. In a way however we may regard this ceremony as a prologue to those celebrations and so associate His Excellency with that great event in the history of the University. I will only add that when he leaves he will take with him our best wishes for good health and happiness in a rest so thoroughly earned, and leave behind him a memory that will long be treasured by all members of the University.

I shall now read the resolution of the Senate, dated the 3rd December, 1932.

He then read the following Resolution of the Senate passed unanimously at the Meeting held on the 3rd December, 1932:—

“That His Excellency Sir Geoffrey Fitzhervey deMontmorency, M.A., K.C.S.I., K.C.I.E., K.C.V.O., C.B.E., I.C.S., Governor of the Punjab and its Dependencies, and Chancellor of the University of the Panjab is, by reason

of his eminent position and attainments, a fit and proper person to receive the Degree of Doctor of Laws, and that according to the provision of section 17 of the Indian Universities Act of 1904, the said Degree be conferred upon him *honoris causa*."

The Vice-Chancellor then, on behalf of the Senate and with the assistance of the Registrar, conferred the Degree of Doctor of Laws upon His Excellency Sir Geoffrey Fitzhervey deMontmorency, M.A., G.C.I.E., K.C.S.I., K.C.V.O., C.B.E., I.C.S., Governor of the Punjab and its Dependencies, and Chancellor of the University of the Panjab, in the following words:—

"In accordance with the resolution of the Senate just read, and by virtue of the authority vested in me as Vice-Chancellor of this University, I admit Your Excellency to the Degree of Doctor of Laws, and in token thereof I present to you this Diploma and authorise you to wear the robes ordained as the insignia of this Degree."

After this, His Excellency the Chancellor put on the Doctor's robes, and then the Registrar proclaimed the conferment of the Degree as follows:—

"We, the Vice-Chancellor and Fellows of the University of the Panjab, do hereby proclaim and make known that we have admitted to the Degree of Doctor of Laws, *honoris causa*, His Excellency Sir Geoffrey Fitzhervey deMontmorency, M.A., G.C.I.E., K.C.S.I., K.C.V.O., C.B.E., I.C.S., Governor of the Punjab and its Dependencies, and Chancellor of the University of the Panjab."

The Registrar then presented the above record to the Vice-Chancellor for signature.

After the Degree had been conferred, His Excel-

lency the Chancellor addressed the convocation as under:—

I desire to express my gratitude to the Panjab University for the honour that has been conferred on me to-day. My time in the Panjab is drawing to a close, and I shall carry away with me, when I depart, most pleasant recollections of this ceremony which I shall value as a memento of my (by now somewhat lengthy) association with the Panjab University, first, for a period, in the capacity of Vice-Chancellor and later in that of a Chancellor—a connection that has been full of interest for me.

The occasion is also, I feel, one of special significance, because the Panjab University has recently reached the 50th year of its corporate existence, having been first incorporated by Act XIX of 1882, which received the assent of the Governor-General on the 5th of October in that year.

Time is too short to review or appraise its achievement in the last half-century. Indeed with a University Enquiry Committee sitting it would not be proper for me to attempt any critical or constructive appraisal; but I think in this, the Jubilee year of the Panjab University, it may be of some interest if I briefly touch on its origin and the influences which affected its growth to its present stature.

I think the general public, as distinct from those who have some inner knowledge of it, is somewhat apt to take the University as a matter of course, and, generally speaking, is incurious as to its origin and functions and the reasons for its present forms; and this state of mind is in the circumstances of the case not unnatural. For out of the small institution which was first known as the Lahore University College there has grown up a University Corporation, having in educational matters territorial connections embracing the whole of the British Provinces of the Punjab, the North-West Frontier Province and Baluchistan, the Jammu and Kashmir State and the large group of States familiarly known as the Punjab States—an area with a recorded population in last census of 37½ million people. From small beginnings connected with the control and development of education there has emerged a large and complex organisation not only for the conduct of examinations but also for the affiliation of colleges and for active participation in higher teaching. Of the development of University teaching and research I shall say more later; but I may briefly here note as regards affiliation that the University, which after its incorporation had only two colleges—the Oriental and the Law—has now 50 affiliated institutions either in Lahore or scattered about the territorial area referred to; and as regards examinations in the year 1931 it conducted examinations at which 34,341 candidates appeared. In order to pursue and

control its statutory activities over this wide area the University is now provided with an imposing machinery consisting of a Patron, a Chancellor, a Vice-Chancellor, a Senate, a Syndicate, an Academic Council, various Faculties, Boards of Studies, a School Board, a number of Standing Committees, a number of University Departments and a body of University Professors, Readers, Lecturers and Demonstrators.

The statutory mainsprings of its machinery are the Act of Incorporation of 1882 and the Indian Universities Act of 1904, the first is peculiar to this University, while the second is of general application. The Act of Incorporation had the effect of turning the institution, at first known as the Lahore University College and subsequently known as the Panjab University College, into a University. This step was partly taken in fulfilment of the wishes of a large number of Chiefs, Nobles and persons from influential classes of the Punjab, and in this connection it is interesting to note that it is for this reason that the composition of the Senate includes to this day representatives of a number of States who are assigned places in this body by statute, and it is the practice of the Chancellor to nominate among the body of Fellows, which since the Act of 1904 has become increasingly representative of the element of teaching and research, some representatives also of what may be called "the noble and influential classes". The same fact is also responsible for the territorial connections of the University as they stand to-day. It is also from this circumstance that the University has the advantage of possessing a number of endowments for research, studentships, scholarships and medals which were made especially by the Punjab States and Kashmir, at the time of the foundation of the University. The objects of the University, as incorporated by the Act of 1882, are of great importance, not only because they directly influenced the activities of the University in the earlier years after its incorporation, but also because they were perpetuated as its objects by the Act of 1904 which empowered the "University to do all acts consistent with the Act of Incorporation and this Act which tends to the promotion of study and research". The objects stated at incorporation were those connected with the Lahore University College, *viz.*, promoting the diffusion of European Science as far as possible through the medium of the vernacular languages, improving and extending vernacular literature generally, affording encouragement to the enlightened study of the Eastern classical languages and literature and associating the learned and influential classes of the province with the officers of Government, in the promotion and supervision of popular education. It was at the same time provided that every encouragement should be afforded to the study of the English language and literature, and that, in all subjects which could not be completely taught in the vernacu-

lars, the English language should be regarded as the medium of examination and instruction. The Act of Incorporation, besides giving University the powers of a body corporate to hold property, etc., laid on it the duty of holding examinations and conferring academical degrees, diplomas, etc. It also provided for the machinery of the University though in nothing like such elaboration as was afterwards made by the Act of 1904. It also gave the University power to levy fees in certain cases, and defined the duties and responsibilities of the Local Government towards the University.

The Act of 1904 added to the objects of the previous Act the making of provision for the instruction of students, giving power to appoint University Professors and Lecturers, power to hold and manage educational endowments, power to erect, equip and maintain University libraries, laboratories and museums, and power to make regulations regarding the residence and conduct of students. Among other important changes it introduced affiliation, and prescribed in considerable detail the constitution of the University and the academic bodies, the powers of inspection and report in connection with affiliation, and elaborated the matters in which the Senate was competent to make regulations.

It may be of interest briefly to review different periods of academic activity. I may first take the period from 1882 to 1902, that is up to the appointment of the Indian Universities Commission and the passing of the Indian Universities Act of 1904. The University inherited the teaching work—largely in the vernacular—of the Lahore University College. This included, besides Arts and Science, teaching in Law, Medicine and Engineering.

Instruction in elementary civil engineering was at first given in the vernacular, but, as time went on, this class, which had been useful in its way and had on account of technical advantages adopted English as a medium, was discontinued on the establishment of the Engineering School by the Government at Rasul. Medicine was taught according to the Ayurvedic and Unani systems. These classes were eventually transferred to the D.A.-V. College and the Islamia College which still maintain them and receive a grant from the University for this purpose. Law was long taught in both English and Urdu. A separate series of examinations in Urdu qualified a successful candidate to practise as "Mukhtar". This system of teaching was, however, abolished early in the present century, and the English course at the Law College now takes its place. As regards Arts and Science, the examinations of the Arts Faculty (Intermediate and B.A.) were reduplicated in the Oriental Faculty (F.O.L. and B.O.L.), the medium being the vernacular. Very considerable attention continued to be given to the Oriental Classics and the Vernacular Languages. It is

of interest to note that at this early stage no one could obtain the highest title in an Oriental Classical Language without qualifying in English. In the field of extending vernacular literature the University made a small contribution by translating a few well-known text-books into Urdu. Occasionally prizes also were awarded for vernacular literature, but towards the end of this period there was a tendency to leave this form of encouragement to the Text-Book Committee.

I may now turn to the period from 1903 to 1912. The Indian Universities Act of 1904 compelled the University to introduce affiliation. In the light of the general acceptance of this feature in subsequent years, it is interesting to note that previous proposals for a system of affiliation, as then in vogue in other places, had aroused considerable opposition. Nevertheless, the provisions of the Act were carried out smoothly, and considerable improvements were effected, particularly in buildings, equipment and qualifications of teachers. The University had now to take direct cognisance of the work of Arts Colleges. The Principals and Professors of Arts Colleges were placed in a stronger position as regards the governance of the University, and there was a growing tendency to encourage and even insist on the knowledge of English in all ranks of the legal profession and in teachers of Oriental Languages. In Oriental title classes also efforts began to be made to introduce modern critical methods. The Government of India during this period began to make lump sum grants for the promotion of education. Part of the outcome of such grants was to enable the University to make a notable contribution towards bettering the conditions of higher teaching in Lahore by the development of the University Library. To this period also belong the building of the University Hall and the development of the University Tournament grounds. It was at the end of this period that the Congress of Universities at London in 1912 was held leading to an interchange of views on University functions and methods generally which has not been without its effect on University development here as elsewhere. The Calcutta University Commission's report had a somewhat similar and perhaps even greater influence some years later.

The period from 1913 to 1920 saw considerable strides made in the development of teaching. The Indian Universities Act of 1904 had given the University the power of making provision for the instruction of students and the appointment of University Professors and Lecturers with power to erect, equip and maintain University libraries, laboratories and museums. The former powers were not used at once. In the first instance proposals were put forward for the improvement of the teaching already undertaken, especially in Law and Oriental Languages, and primarily with the object of giving a fresh stimulus to college teaching in various subjects, the University instituted

a plan of inviting distinguished teachers from other Universities to teach in Lahore for four or five months in a cold weather. These special lecturers used to review the teaching of their subjects in the Punjab, and in several instances advised a further advance towards direct University teaching and towards more advanced teaching for the more advanced type of students. Special references may be made to the reports of Mr. Ramsay Muir on History, Dr. Smithells on Chemistry and Dr. Elton on English. Eventually in 1920 it was decided to institute two Chairs of Economics and Mathematics. In the meanwhile, there had been developments in other Departments. Colonel Stephenson had revolutionised the teaching of Biology in Government College, and in order to make the advantage of the teaching and equipment of the College Department in Biology available to students of other colleges, the two University Departments of Zoology and Biology were instituted at the Government College Laboratories. The Honours system was then introduced which enabled a candidate to take the M.Sc. in Zoology or Botany by research. The M.A. teaching of Oriental Languages in the Oriental College was thrown open to students of other colleges, and three research professorships in Arabic, Sanskrit and Persian were instituted. The end of this period saw Honours Schools established in Zoology, Botany, Mathematics and the classical Oriental Languages. Another important achievement of this period was the complete reorganisation of the University Library by an American expert, Mr. Dickenson, and the institution of a class for the training of librarians.

In the following period, 1921 to 1932, the outstanding features are the development of a strong school of chemical research and the building and equipment of excellent chemical laboratories. It was during this period that the Academic Council came into being. Notable progress in building activity was made by the University resulting in proper housing of the Law and Oriental Colleges and the provision of hostels. The Hailey College of Commerce was established during these years, and there was a growing tendency towards the expansion of vocational and technical education, as evidenced by the affiliation of the Agricultural College at Lyallpur and the MacLagan Engineering College at Moghalpura, and by the assistance given to a special course of technical and industrial chemistry in the Forman Christian College. On the Arts side several attempts were made to find a satisfactory solution of the problem of how Honours courses should be taught. Provision was made for the teaching of Astronomy, French and German and for extension lectures in the mofussil. A University Professor of History was appointed and an Honours School started in that subject. The Science Honours Schools were developed, Chemistry and Technical Chemistry being added. A considerable volume of

research work was produced which is extensively quoted in authoritative organs and text-books. The publication of monographs by the University was a feature, particularly in Zoology and Botany Departments. Regular grants began to be made to the Panjab University Oriental Publication Series which now comprises a number of valuable works mostly by the staff of the Oriental College. The University showed its interest in the physical side of students' life by the assistance given to the University Training Corps and by developing the University playing grounds by the addition of a large stadium and by the appointment of the Director of Physical Training. During this period also considerable improvements were made in the machinery of the University. Experience had shown that in some directions the Syndicate had become clogged with work which could and should be performed by a different agency, and reforms with this end in view were carried into effect. This period may be said to end with the appointment of the Panjab University Enquiry Committee which is still engaged in its labours. Periodical reviews of this nature may be expected to produce fruitful results. They have been found necessary in the case of other Universities; and, with the growing complexity and magnitude of University operations, a scrutiny of activities by experts can hardly fail to focus attention on any weaknesses which may exist in our system or to point the way to directions in which it can be improved or developed.

Now, if I may detain you for a few moments more, I should like to return to the Act of Incorporation and to note what here can be recorded under some of the more important heads of its objects. First, as regards the promotion of the diffusion of European Science as far as possible through the medium of the vernacular languages of the Punjab, there has been an immense development in the diffusion of European Science, particularly as regards Biology and Chemistry; but the complexities, which advance in Science teaching involves, and the possession of more than one vernacular, made it impossible to use the vernaculars as a medium, and English has been found essential for the new—and, practically speaking, international—standards of Science.

Next, as regards the improvement and extension of vernacular literature, while the method of direct subsidy and prizes tried in the first period has been abandoned, stimulus in other directions has increased by the compilation of the University Punjabi Dictionary, by the addition of vernaculars as additional papers in the Intermediate and B.A. stages and by the foundation of three vernacular lectureships in the Oriental College.

Thirdly, as regards the encouragement of the study of Eastern classical languages and literature, the stimulus given by the University may be observed in the improvement in the critical teaching of those subjects in the Oriental title classes at the

Oriental College, the *rapprochement* between advanced work in the Oriental and Arts faculties, the institution of the M.A. in Persian, the foundation of the research chairs in Sanskrit, Persian and Arabic at the Oriental College, the Panjab University Oriental Publication Series, the collection of manuscripts in the Library, the organisation of inter-collegiate teaching of Honours papers and M.A. and admission of a thesis for the M.A. Examination.

As regards the association of learned and influential classes with the supervision of popular education, the tendency since 1903 has been to leave the supervision of schools to the Education Department. School courses are almost entirely entrusted to the School Board of which the Director of Public Instruction is the Chairman. The public is now associated with the promotion of education through its representatives in the Legislature and the Minister for Education, education being a transferred subject.

Under the head of examinations, I need say no more. I have already mentioned the phenomenal numbers. University examinations are now held in eight faculties and many new subjects have been introduced.

As regards the objects added by the Act of 1904, I have already alluded to the more salient features of the steps taken to provide for higher instruction in dealing with the periods.

As regards the powers to hold and manage educational endowments, I observe, with the one notable exception of the late Sir Ganga Ram's most generous donation for the establishment of the Hailey College of Commerce, there has been a conspicuous lack of large endowments since the early days. No doubt this is to some extent accounted for by the great spread of primary, secondary and college education which has made considerable calls on private purses for support. Nevertheless, University teaching and research in other places has been so materially assisted by private beneficence, that I feel the Panjab University has a special claim, at this time of its Jubilee, on private generosity and public spirit.

As regards the erection and equipment of educational buildings, the University has a fine library with 15,000 volumes and 8,000 manuscripts organised on modern lines and including a very large and valuable Oriental Section. Chemical laboratories have been built and equipped at the cost of Rs. 4½ lakhs, and very considerable contributions for equipment have been made in the Zoology and Botany Departments located at the Government College and for the Technical Chemistry course located at the Forman Christian College. An astronomical laboratory has been installed and equipped.

This brings me to an end of my attempt to set forth the chief features of the Panjab University as at present constituted. I have no doubt that the University will desire to mark its

Jubilee by some suitable memorial. I have no knowledge of what schemes may be under discussion or in contemplation; but I would venture to put forward a plea for the consideration of some object that will mark the interest of the University in its students not only in the lecture theatres and class rooms, but in their life generally while they are students of the University. No doubt the University has done much already in this direction in connection with the University Training Corps, the establishment of the University Tournament grounds and stadium and the appointment of a Director of Physical Training; but I have a feeling that more could and should be done. Perhaps the provision of a Union building might be considered in this connection. There is, I understand, already a Union Club which can only be accommodated in crowded rooms in the University Hall and a Union with a considerable membership that can only meet in borrowed halls. Wisely advised, such associations can, I feel, form a useful focus for the activities of University students. They tend, if prudently conducted, to develop responsibility and to foster a University outlook transcending the narrower limits of college loyalties and uniting different elements so often separated now by a class system of college; and I feel that the great unity which all classes of our students are developing in games and athletics where they so notably contribute in unison and harmony to all India and University teams, should be assisted to find a counterpart also in a greater community of social and intellectual interests.

At the conclusion of the speech, His Excellency the Chancellor declared the Convocation closed.

His Excellency the Chancellor was then conducted to the west-end entrance by the Vice-Chancellor and Fellows and took his departure.

IX.

ENDOWMENTS.

1. RAI BAHADUR BELI RAM—RAM CHAND VICTORIA MEMORIAL PRIZE.

This Prize is given every year to the best pass in Sanskrit at the Matriculation Examination, *vide* paragraph 8 of the Syndicate Proceedings, dated the 19th July, 1901.

2. SIR McLEOD MEDAL AND PURSE FOR ARABIC.

The Medal and Purse are given to the candidate, who, being a resident of the Punjab or the Delhi Province or the North-West Frontier Province, stands first in Arabic in the Master of Arts Examination of the University of the Panjab.

3. SIR McLEOD MEDAL AND PURSE FOR SANSKRIT.

The Medal and Purse are given to the candidate, who, being a resident of the Punjab or the Delhi Province or the North-West Frontier Province, stands first in Sanskrit in the Master of Arts Examination of the University of the Panjab.

4. FULLER EXHIBITION.

The conditions for the award of this Scholarship are given on page 29 of the Trust Report, according to which the scholarship should be given to the student of any of the Panjab Colleges who shall obtain the highest place in the B.A. Examination of the Calcutta University, or the corresponding examination of the Panjab University College, and shall continue his studies for the next higher examination.

This Scholarship is annually given to the best pass in the B.A. Examination of the Panjab University.

The Syndicate, at a meeting held on the 12th April, 1905, decided that this Exhibition should not be held together with any other scholarship.

Persons bracketted together for the award of a medal should each be awarded a medal (*Syndicate Proceedings*, dated 4th November, 1927, paragraph 12).

5. AMRITSAR McLEOD MEMORIAL SCHOLARSHIP.

This Scholarship, according to the conditions of its award, should be given to the student of the Amritsar District or from the Amritsar District School who stands highest in the Matriculation Examination of the Arts Faculty and has not obtained a scholarship of greater value, *vide* page 29 of the Trust Report.

The value of the Scholarship is Rs. 16 per mensem, and is tenable in the Lahore Government College.

This Scholarship is awarded every second year.

6. RAI KANHYA LAL—POLLIARD PRIZE.

This Prize is given to the candidate who stands first in order of merit in the Final B.Sc. (Eng.) Examination (*vide* paragraph 10 of the Syndicate Proceedings, dated the 27th November, 1931).

7. ALWAR GOLD MEDAL.

This Medal is awarded to the candidate who has obtained most marks in Sanskrit and English taken together in the B.A. Examination. But according to the conditions for the award of the Medal it should be given to the best student in both English and Sanskrit during the year, *vide* page 42 of the Trust Report.

8. ARNOLD SILVER MEDAL.

This Medal is awarded to the best pass in the B.A. Examination.

The Medal is annually sent to this office by the Director, Public Instruction, Punjab.

9. ARNOLD GOLD MEDAL.

This Medal is awarded annually by rotation to the best pass in the M.A. in Languages, History, Political Economy, and Mental and Moral Philosophy. If the best pass in the subject, in which the medal is to be awarded for the year, is in Third Class, then the award is to be made to the eligible candidate in the next subject (*vide* para. 5 of the Syndicate Proceedings, dated the 9th June, 1923).

10. MALIK DAS RAM—TOPAN MAL MEDAL.

This Medal is awarded to the candidate who stands highest in the Matriculation Examination from among the students of the Dera Ismail Khan Schools, *vide* Syndicate Resolution No. 9, dated the 23rd June, 1899.

11. RAT BAHADUR LALA SAGAR CHAND MEDAL.

This Medal is awarded to the candidate who obtains the highest total number of marks in both the courses of Mathematics —(Pure and Applied)—in the B.A. Examination, *vide* para. 29 of the Syndicate Proceedings, dated the 31st January, 1902.

12. AITCHISON—RAM RAT'TAN SANSKRIT SCHOLARSHIPS.

One scholarship is awarded to the best pass in the B.A. Examination in Sanskrit, and the other to the best pass in Sanskrit in the Intermediate Examination, *vide* para. 4 of the Senate, dated the 23rd July, 1888.

13. ALFRED—NABHA JHIND SCHOLARSHIP.

This Scholarship is awarded to the best pass in the Matriculation Examination, *vide* pages 24 and 25 of the Trust Report.

14. JHIND PANJABI SCHOLARSHIPS.

These Scholarships are awarded by the Principal, Oriental College, to the students of the Panjabi Class, *vide* pages 31-32 of the Trust Report.

15. COOPER MEDAL.

This Medal is awarded to the best pass in the Matriculation Examination from among the students of the Delhi M.B. School, *vide* para. 4 of the Syndicate Proceedings, dated the 11th June, 1890.

16. PATIALA GURMUKHI SCHOLARSHIPS.

These Scholarships are awarded by the Principal, Oriental College, to the students of the Gurmukhi Class, *vide* page 32 of the Trust Report.

17. WAKEFIELD MEMORIAL SCHOLARSHIP.

This Scholarship is awarded by the Headmaster, M.B. School, Ludhiana, to the best pass in Middle School Examination from his school, *vide* para. 4 of the Syndicate Proceedings, dated the 4th February, 1888.

18. BAHAWALPUR ARABIC SCHOLARSHIP.

This Scholarship is awarded to the best pass in the Maulvi Fazil Examination, *vide* page 26 of the Trust Report. When, un-

availed of, this is transferred to supplement the McLeod-Panjab Arabic Studentship, *vide* para. 5 of the Senate Proceedings, dated the 16th June, 1922.

19. PATIALA—SIME GOLD MEDAL.

This Medal is awarded to the candidate who, while passing the Examination for Bachelor of Arts of the Panjab University in all the subjects, obtains the highest number of marks in English, *vide* page 7 of the Syndicate Proceedings, dated 27th May, 1890, and paragraph 18 of the Syndicate Proceedings dated the 16th December, 1932.

20. F. S. JAMAL-UD-DIN MEDAL.

This Medal is awarded to the best pass in the M.A. Examination in Arabic, and in case there be no candidate in the M.A. Examination, the Medal is given to the best pass in the B.A. Examination, *vide* para. 10 of the Syndicate Proceedings, dated the 8th June, 1891.

21. MACLAGAN PRIZE.

The condition for the award of this Medal is that it should be given to the best pass in the highest Engineering Examination of the year, *vide* page 40 of the Trust Report. As no examination for the Final Examination in Engineering was held by this University, the matter was referred to the Syndicate, which decided that it should be given to the best pass in Science in the M.A. Examination, and in case there be no candidate in the M.A. Examination, the Medal should be given to the best pass in Science in the B.A., B.O.L., or B.Sc. Examination, *vide* para. 5 of the Syndicate Proceedings, dated 6th July, 1886, and para. 12 of the Syndicate Proceedings, dated the 29th July, 1900. This was done till the year 1931. Owing to the affiliation of the MacLagan Engineering College, Moghalpura, the Syndicate in 1932 decided that the Prize be awarded to the candidate standing highest in the Final Engineering Examination (Mechanical and Electrical), *vide* paragraph 31 of the Syndicate Proceedings, dated the 14th October, 1932.

22. KHALIFA MUHAMMAD HASSAN JUBILEE MEDAL.

This Medal is awarded to the best pass in the M.O.L. Examination, and in case there be no candidate in the M.O.L.

Examination, the Medal is awarded to the best pass in the B.O.L. Examination whose classical language is Arabic and who has practical knowledge of English, *vide* page 46 of the Trust Report and para. 9 of the Syndicate Proceedings, dated 29th April, 1887.

23. KHALIFA MUHAMMAD HASSAN—AITCHISON MEDAL.

This Medal is awarded to the best pass in Arabic for the M.A. Examination, and in case there be no candidate for the M.A. Examination, the Medal is given to the best pass in the B.A. Examination, *vide* page 44 of the Trust Report.

24. INAYAT ALI—GRIFFIN PRIZE.

This Prize is given to the successful candidate at the First Examination in Law who is reported by the Examiner in Paper V, set at the said examination, to have stood highest in Muhammadan Law.

25. INAYAT ALI—WATSON SILVER MEDAL.

The condition for the award of the Medal is that it should be given to the student who stands highest in Economics in the M.A. Examination, and that failing a candidate in Economics in the M.A. Examination the Medal should be given to the best in Economics in the B.A. Examination.

26. JAISHI RAM GOLD MEDAL.

The Gold Medal is awarded to the best pass in the First Examination in Law, *vide* pages 38 and 39 of the Trust Report, and the Syndicate Proceedings, 14th November, 1910, para. 12.

27. BRANDRETH—LEITNER PRIZE.

The condition for the award of this Prize is that it should be given to the best man at the purely Oriental Examination who passes in any subject connected with the History, Literature and Language of India, or of countries connected with India, *vide* page 37 of the Trust Report. The Syndicate, at a meeting held on the 27th February, 1892, *vide* para. 13, decided, after consulting Mr. Brandreth, that the Prize should be given to the best pass in the Intermediate Examination of the Oriental Faculty.

28. SHRIMATI DHAN DEVI AND SHRIMATI JAI
KAUR MEDAL.

This Medal is given to the best pass in Sanskrit in the Intermediate Examination, *vide* para. 5 of the Syndicate Proceedings, dated 7th May, 1897.

29. RAI SAHIB MUNSHI GULAB SINGH—DENZIL
IBBETSON DIAMOND JUBILEE PURSE.

This Purse is given to the best pass in the M.A. Examination in English, *vide* para. 7 of the Syndicate Proceedings, dated the 21st January, 1898.

30. SAHIBZADA MOHAMMAD OBEDULLA MEDAL.

This Medal is awarded to the best pass in the Maulvi Fazil Examination, *vide* para. 3 of the Syndicate Proceedings, dated the 21st January, 1898.

31. K.B. SHEIKH NANAK BAKHSH MEDAL.

This Medal is awarded to the candidate who stands highest in the M.A. Examination in Philosophy, and in case there be no candidate taking up Philosophy in the M.A. Examination, the Medal is awarded to the best pass in the B.A. Examination in the subject of Philosophy, *vide* para. 11 of the Syndicate Proceedings, dated 21th March, 1898.

32. PRINCE ALBERT VICTOR—PATIALA SCHOLAR-
SHIPS.

These Scholarships are awarded on the results of the Matriculation, Intermediate, and B.A. Examinations to students of good family, in straitened circumstances.

33. NABHA GURMUKHI SCHOLARSHIPS.

These Scholarships are awarded by the Principal, Oriental College, Lahore.

34. RAI BAHADUR PRATUL CHANDRA CHATTERJEE'S
PRIZE.

The conditions for the award of the Prize are given in Appendix V of the Syndicate Proceedings, dated the 28th January, 1896.

35. ARNOLD SILVER MEDAL.

This Medal is awarded to the student who obtains the highest number of marks in Persian in the B.A. Examination from among the students of the Lahore Government College.

36. SIR HARNAM SINGH—RIVAZ GOLD MEDAL.

This Medal is awarded to the student who obtains the highest number of marks in English in the B.A. Examination from among the students of the Forman Christian College, Lahore.

37. DR. RAHIM KHAN MEDAL.

This Medal is awarded to the best pass in the M.B. Examination.

38. RIVAZ—MELA RAM MEDAL.

This Medal awarded to the best pass in the B.T. Examination.

39. DR. BISHAN DAS MEDAL.

This Medal is awarded to the second best pass in the Final M.B. Examination.

40. DAVIES—PAKHOKE MEDAL.

This Medal is awarded to the best Sikh pass in the Matriculation Examination from the Government High School, Ludhiana.

41. KARAM DEVI RAI BAHADUR BELI RAM MEMORIAL MEDAL.

This Medal is awarded to the best Hindu female student passing the Matriculation Examination, taking Sanskrit or Hindi as her second language.

42. MINTO—INAM ALI TROPHY FOR MARKSMANSHIP.

The Endowment was originally intended for a Medal to be awarded to the student judged to be the best all-round horse-rider on the occasion of Sports Tournament.

In 1924, the sale proceeds of the Endowment Fund were, with the consent of the donor, invested in a permanent trophy to be awarded annually for marksmanship on the occasion of the Annual Prize Distribution of the Sports Tournament Committee. The competition is organised by the Officer Commanding, University Training Corps, and the trophy is to be restored

to the University, if for any reason the University Training Corps cannot administer it.

**43. DIWAN BAHADUR BHAGWANDAS BULLOMAL
GOLD MEDAL.**

This Medal is awarded to the candidate who obtains the highest place in Sanskrit in the B.A. Examination (Pass and Honours together).

44. HON'BLE SIR RANBIR SINGH GOLD MEDAL.

This Medal is awarded to the student who stands first in the L.L.B. Examination.

45. BABA KHEM SINGH SILVER MEDAL.

This Medal is awarded to the best pass in Panjabi in the Matriculation Examination.

46. MEHTA CHUNI LAL—GORDON YOUNG MEDAL.

This Medal is awarded to a student for standing first in English and History in the B.A. Examination from among the students of the Forman Christian College, Lahore.

47. MEHTA CHUNI LAL—POPHAM YOUNG MEDAL.

This Medal is awarded to a student for standing first in Sanskrit in the B.A. Examination, from among the students of the Government College, Lahore.

48. MEHTA CHUNI LAL—P. J. FAGAN MEDAL.

This Medal is awarded to a student for standing first in Sanskrit in the B.A. Examination from among the students of the Dyal Singh College, Lahore.

***49. THE OMAN PRIZE.**

To be given in succession to the candidate who takes up any of the following Sciences: Physics, Chemistry, Botany, Zoology or Geology, on the result of Pass and Honours Examination combined.

* If no Honours man qualifies in the subject in which the Prize is to be awarded in a particular year, the Prize to be awarded to the best Pass man in the subject (*Syndicate Proceedings*, dated 4th November, 1927, paragraph 12).

50. THE DANE—MALERKOTLA MEDAL AND THE DANE—MALERKOTLA SCHOLARSHIP.

The Gold Medal (value Rs. 70) to be given every year to the student who stands highest in the B.A. Examination from among those who take Arabic.

This Scholarship of Rs. 15 a month to be given annually to the Final Year student standing first in the class examination of the 4th Year in the K.E. Medical College, Lahore.

51. SHAH DIN ASGHARI KHANUM GOLD MEDAL.

This Medal is awarded to the female candidate standing highest in the Intermediate Examination from among those taking Persian or Urdu.

52. NASIRUDDIN—O'DWYER MEDAL.

This Medal is awarded to the best pass in M.A. Persian.

53. RUCHI RAM SAHNI DECLAMATION PRIZE.

This Prize is awarded annually to the best speaker in a Declamation Contest open to students of the University.

54. LADY DANE GOLD MEDAL.

The Medal was at first awarded by the Director of Public Instruction, Punjab, but in 1923, in accordance with the wishes of the donor, Sir Ganga Ram, the administration of the Fund and the Medal was transferred from the Education Department to the Panjab University.

The Medal is awarded annually to a girl who is a native* of the Punjab and has passed the highest Examination in Arts of the year, either with Hindi or Sanskrit as her Second Language, provided that no girl may receive the Medal twice.

55. SIR P. C. CHATTERJI SIZARSHIPS.

Lady Basanta Kumari Chatterji presented, in 1927, Rs. 5,000 in 3% Government Promissory Notes for an endowment, to be named after her husband the late Sir P. C. Chatterji, for expending the interest accruing therefrom on founding two

* The Medal is to be awarded to a girl resident in the Punjab, without regard to place of birth (Note from Sir Ganga Ram, dated 5th December, 1925).

sizarships for scholars in the Oriental College, Lahore, taking a course in the Classical Oriental Languages. They are awarded by the Principal, Oriental College, are tenable for four years at the most, and may be held with a scholarship or a stipend. The annual value of each sizarship is Rs. 75.

56. SIR GANGA RAM MEDAL.

Mr. Balak Ram, Barrister-at-Law, presented in 1928, Rs. 5,000 in Government Paper of $3\frac{1}{2}\%$ per annum for the purpose of awarding a gold medal, to be named after his father "Sir Ganga Ram Medal," to the person taking the highest place in the Bachelor of Commerce Examination from the Hailey College of Commerce on the College Foundation Day to be celebrated annually. The balance of the interest on the securities after defraying the cost of the Medal, is to be annually spent in a manner to be determined by the Hailey College of Commerce Committee.*

57. AMRIT LAL ROY GOLD MEDAL.

Rai Bahadur Lala Amar Nath presented in 1928 Rs. 1,200 in 5% War Loan of 1929 for endowing a gold medal to be awarded to a candidate who obtains the highest number of marks in English and Sanskrit taken together in the B.A. Examination, in order to commemorate the memory of the late Mr. Amrit Lal Roy.

58. DEMONTMORENCY GULAB SINGH MEDAL.

Lala Sohan Lal of Rai Sahib M. Gulab Singh & Sons presented in 1930 Rs. 1,700 (Rs. 300 as the cost of a die and Rs. 1,400 as permanent endowment fund) in cash for endowing a gold medal to be awarded to a candidate who stands first in the Bachelor of Commerce Examination.

59. DEMONTMORENCY THANKSGIVING FUND STIPENDS.

The University started a Thanksgiving Fund in 1931 as a mark of condemnation of the attempt on the life of His Ex-

* The Hailey College of Commerce Committee has decided that the balance of Rs. 100 be utilised in the award of a scholarship of Rs. 10 p.m. for 10 months, to be awarded to a deserving student in the First Year Class by the College Committee on the recommendation of the Principal (*Syndicate Proceedings*, dated 15th June, 1928).

cellency the Chancellor and thankfulness at his providential escape. A sum of Rs. 2,479-8 was collected which was placed at the disposal of His Excellency the Chancellor for such disposal as he may be pleased to decide. In accordance with His Excellency's wishes two stipends of Rs. 5 each for 12 months are annually granted from this Fund to two poor students in the Oriental College studying Panjabi.

X.

RULES FOR THE AWARD OF STATE SCHOLARSHIP.

1. Candidates must be statutory natives of India who are domiciled in the Punjab and are students of a college in the Punjab which is affiliated to the Panjab University.

2. The selection of the scholar shall take place not later than the 30th of the month of January, in the year in which a scholarship is placed at the disposal of the University, and the selection shall be made by the Vice-Chancellor after considering the report of the Committee, under rule 5.

3. Candidates should be between the age of 21 and 25 and should possess a *degree of the Panjab University.

4. Every candidate for the scholarship must send his application to the Registrar not later than the 31st of December of the year preceding the one in which the selection is to be made. Such application shall be accompanied by the following papers:—

(a) A declaration by the candidate that he has the consent of his family to go to England if he obtains the scholarship.

(b) A certificate of good conduct from persons of known respectability and position who are well acquainted with the candidate.

(c) A certificate to his physical capacity to undergo the course of life and study which he will have to follow in England, signed or countersigned by the Civil Surgeon or one of the Professors of the Medical College, Lahore.

(d) A declaration of his intention to pursue his studies at a recognised University in the United Kingdom.

†5. The names of all the candidates who have complied with the preceding rules shall be placed before a committee appointed

* The term "degree" implies degrees in Arts, Science, Agriculture, and Commerce, *i.e.*, M.A., B.A. (Hons.), B.A., M.Sc., B.Sc. (Hons.), B.Sc., M.Sc. (Ag.), B.Sc. (Ag.), and B.Com. [D.O. No. 566 A.S., dated the 21st August, 1924, and letter No. 968A., dated the 19th January, 1930, from the Under-Secretary to Government, Punjab (Ministry of Education)].

† The name of the selected candidate is to be forwarded to the Under-Secretary to Government, Punjab (Ministry of Educa-

RULES FOR THE AWARD OF STATE SCHOLARSHIP. 577

by the Syndicate consisting of four members and the Registrar, who after examining the papers relating to each candidate, and after making such enquiries as they think proper, from the Principals and Professors of the Colleges in which the students were educated, or such other persons as they (the committee) consider well able to give opinions on the character and qualifications of the candidates, shall report on the candidates and recommend the one they think the fittest to the Vice-Chancellor.

tion), by 1st of February of the year of award of scholarship, together with a schedule in the form sent by the Under-Secretary with his letter No. 1914-A., dated the 11th February, 1924.

XI.

*RULES FOR PUNJAB GOVERNMENT SCHOLARS IN ENGLAND.

GENERAL RULES.

1. Candidates must produce, at the time of application medical evidence of physical fitness to undergo a course of study abroad.

2. Full details including the name and occupation of the candidate's father and place of birth, a summary of his academic attainments, and a statement of the course of study proposed to be followed in the United Kingdom should be submitted at the time of application, and should be transmitted to the office of the High Commissioner for India some time before the scholar's arrival in England.

3. Selected scholars should communicate with the Secretary to the University Appointments Board in order that they may obtain advice regarding certificates, etc., and they should, when proceeding to England, take with them the originals of their certificates, testimonials and other important personal documents suggested to them by the Secretary to that Board.

4. State scholars are required to proceed to England within a reasonable time from the date of their selection so as to arrive there not later than the middle of September, and to reside there for the period of their scholarship unless compelled to return sooner in consequence of ill-health. The scholarships will be payable from the date on which the scholars report their arrival in England.

5. Selected scholars will be provided with a second class passage to London and also with a second class return passage if they carry out the instructions of the High Commissioner and complete the full period of residence, or are compelled by sickness to return within that period. Second class railway fares from the home of the candidate to the port of embarkation, and on the completion of the scholarship period, from the port of arrival to the home of the candidate are also provided; but claims for

* The Punjab Government has sanctioned from Provincial revenues, since 1923, for study abroad, one scholarship of £300 (when held in a College at Oxford or Cambridge, otherwise £250) to be awarded by the Panjab University.

other travelling expenses are not permissible. Claims on account of the latter should be submitted to the Director of Public Instruction, Punjab. All other expenses shall be borne by the scholar.

6. The scholarships carry with them no conditions as to any subsequent career or service under Government and no expectations of such employment are held out.

7. Language scholarships will ordinarily be tenable in the first instance for 2 years, and other scholarships for 3 years. The High Commissioner may terminate a scholarship sooner, if the scholar fails in health or has satisfactorily completed his (her) course or does not comply with the rules here set forth, not being prevented by any other cause which the High Commissioner may consider sufficient. Scholarships may be extended by the High Commissioner after consultation with the Punjab Government, for further periods of one year each to a total tenure not exceeding 5 years. Language scholarships will not be extended beyond 2 years except in very exceptional circumstances.

8. Scholarships are ordinarily tenable in the United Kingdom, but with the special sanction of the High Commissioner may be held in some other country.

RULES FOR STATE SCHOLARS IN THE UNITED KINGDOM.

1. *Educational Advisers.*—All Government scholars are required to avail themselves of the information and advice which the Joint Secretaries to the High Commissioner for Indian Students' Work and the Local Advisers at University centres are in a position to give them, and to apply to their Local Adviser for instructions as regards their studies and in any circumstances of difficulty. The Local Advisers at Manchester, Edinburgh and Glasgow have charge of State scholars studying at those places, and the Secretary to the Delegacy for Oriental Students at Oxford and the Secretary to the Inter-Collegiate Indian Students' Committee at Cambridge (who, for this purpose, act as Local Advisers) have charge of scholars studying there. Scholars studying elsewhere than at Manchester, Glasgow, Edinburgh, Oxford, or Cambridge will be under the charge of a Joint-Secretary to the High Commissioner. The Adviser is the proper person to bring before the Joint Secretary to the High Commissioner any matter requiring the sanction of the High Commissioner or the Government of the Punjab.

2. *Arrival in England.*—Scholars should, on reaching England, at once report themselves to one of the Joint Secretaries at the office of the High Commissioner in London, 42, Grosvenor Gardens, S.W. 1. Accommodation for new arrivals (men only) is provided at 21, Cromwell Road, South Kensington, S.W. 7.

3. *Obedience to instructions.*—Scholars must obey all instructions which they may receive, either through the Joint Secretary

to the High Commissioner or through their Local Adviser, and must consult their Local Adviser regularly in regard to their work. Any course of study which requires and has received the sanction of the High Commissioner may not be changed without similar sanction.

4. *Progress Reports*.—Scholars must from time to time, whenever the Joint Secretary or Local Adviser requires it, submit a certificate from the proper college or University authority, showing that their conduct and progress in study have been satisfactory.

5. *Payment of Stipends*.—Subject to a due compliance with the above conditions, the allowances of scholars will be paid quarterly in advance by the office of the High Commissioner to the Joint Secretary or Local Adviser under whose charge they are. An allowance will begin from the date of the scholar's reporting arrival in England, and the Local Adviser will disburse it to the scholar in such instalments as convenience may dictate. Three months after the date of reporting arrival, the amount to the ensuing official quarter day* will be paid to the Joint Secretary or Local Adviser, and subsequent payments will be made in advance on or after each official quarter day. The rates of scholarship allowance will be—

(a) to male scholars : £300 a year when held in a college at Oxford or Cambridge; otherwise £250. Language scholars at Oxford or Cambridge will be expected to become non-collegiate students, and permission to join a college will not be granted unless admission to the University is not otherwise possible, or unless the student is of undergraduate age and has rooms offered him in college;

(b) to women scholars £300 a year.

6. Every male scholar is required to lodge with the Joint Secretary at the office of the High Commissioner in London the sum of £40 for initial expenses. He will have no claim to payment of any instalment of his scholarship until this deposit has been made.

7. Charges for University and college fees, for private tuition, for books, hotel bills, medical attendance, and travelling (except the two journeys between England and India) must ordinarily be borne by the scholar.

8. For Language scholars the necessary travelling expenses of scholars abroad by second class (or by third class if no second be available) will be defrayed by the High Commissioner. These expenses should be claimed on forms obtainable from the Joint

* *Note*.—The official quarter days are the 1st of January, 1st of April, 1st of July, and the 1st of October.

Secretary or the Local Adviser. Travelling expenses in the United Kingdom will be borne by the scholars themselves. Charges for University and college fees, for private tuition, for books, hotel bills and medical attendance must be paid by the scholar himself.

No claim can be admitted for the payment of any expenditure unless the scholar has obtained previous sanction from the Secretary of State.

9. Due notice should be given to the High Commissioner of any intention on the part of a woman scholar to marry, and the High Commissioner (in consultation with the Government of the Punjab) can terminate or suspend such a scholarship, if thought fit in the special circumstances of the case.

10. On the expiration of the scholarship a scholar is provided by the office of the High Commissioner with a free second class passage to India, and this should be applied for without delay through the Joint Secretary or Local Adviser. Scholars are not entitled to make their own passage arrangements, and to claim an allowance in lieu from the office of the High Commissioner. If a scholarship be forfeited, or if it be resigned before completion of its term, or if the holder of it, on completion of its term, declines to return to India when instructed to do so, the scholar will lose the claim to a free passage back to India.

INDIAN GOVERNMENT SCHOLARS.

1887.	Har Kishan Lal, B.A., Govt. College, Lahore.	
1891.	Diwan Tek Chand, B.A.	ditto.
1892.	Sh. Ashgar Ali, B.A.	ditto.
1895.	Shadi Lal, M.A.	ditto.
1897.	Balak Ram, M.A.	ditto.
1901.	Manohar Lal, M.A.	ditto.
1902.	Fazal Mohammad, M.A.	ditto.
1905.	Har Dayal, M.A.	ditto.
1907.	Jagan Nath Aggarwal, M.A.	ditto.
1910.	Ram Chandra, M.A.	ditto.
1912.	Qazi Mohammad Hussain	ditto.
1915.	Gyanesh Chandra Chatterji, B.A., St. Stephen's College, Delhi.	
1917.	Baldev Das Puri, B.A., Govt. College, Lahore.	
1920.	Parduman Kishan Kaul, B.A.	ditto.

PUNJAB GOVERNMENT SCHOLARS.

1923.	Benarsi Das Laroria, B.sc., F.C. College, Lahore.
1926.	Daulat Ram Sharma, M.A., Govt. College, Lahore.
1929.	Dev Raj Mehta, M.sc. ditto.

XII.

RULES FOR PANJAB UNIVERSITY LIBRARY.

1. The following classes of persons shall be permitted to draw books from the Library for use at home, as soon as they have presented to the Librarian in charge an application form properly filled up and signed.

(The application form contains a declaration of intention to obey the rules of the Library and to pay any fines or charges which may be incurred through their infringement).

(a) Fellows, Honorary Fellows of the University.

(b) Members of the Staff of an Affiliated College.

(c) Members of Faculties.

(d) Graduate Head Masters of recognised High Schools.

(e) Graduates of the University actually on the rolls of the affiliated Colleges. Provided that the student borrowers deposit a security of Rs. 20 refundable on return of all books and payment of dues, if any, for use of books after the date of issue of Roll Numbers for University examinations by the Colleges, and during the summer vacation.

(f) Such other persons as having explicitly stated in writing their special reasons for requiring to use the Library have obtained the written permission of the Librarian.

2. Under-graduates will be permitted to use the Library for purposes of reading and reference during good behaviour, but must be prepared to furnish the Librarian with evidence of their identity and enrolment.

3. A borrower of class *a*, *b*, *c* or *d* will be expected to have in his possession at one time not more than six library books. He will be expected to retain books not longer than one month with privilege of renewal if the books are not needed at the Library. Four days before the books are due a post card reminder will be sent. The fine of one anna per day per volume will be calculated from the date the book is due if it be not previously returned. Those who abuse their privileges will be reported to the University authorities.

4. Borrowers of class (*e*) may have in their possession not more than six books and these should be returned not later than two

weeks from the date of issue. Those in mufassil stations will retain them not longer than one month. If retained longer a fine of one anna per day per volume is incurred. Books not in great demand may be renewed on request, however, at the discretion of the Librarian. Two days after a book becomes due a post card notice will be sent to the delinquent borrower. But the non-receipt of a notice will not excuse the borrower. The fine will in all cases be calculated from the date on which the book should have been returned.

5. Books for the summer vacation will be issued by special permission, and these must be returned as soon as the vacation is over.

6. Books shall be divided into three classes: A, B, and C. Class A will include (1) all specially valuable works, (2) all works permanently or temporarily reserved for reference use only. Books in class A shall not be removed from the Library except by special permission of the Librarian. Class B will include all current numbers of periodicals. These may be borrowed but must be returned within three days. Class C—all other books—may be borrowed and retained only according to the provisions of Rules 3 and 4.

7. Books prescribed by the Panjab University for various examinations will not be issued without the special permission of the Librarian.

8. The Library will be closed during July and August, and on Sundays, and on certain holidays by special notice.

9. Borrowers who wish to have books sent out of Lahore must deposit Rs. 5 to cover cost of postage.

XIII.

*RULES FOR THE ELECTION TO THE ACADEMIC COUNCIL, BY THE DEGREE TEACHERS.

1. The Principals of the Colleges mentioned in clauses (b) and (c) of Regulation 1 (VI—Academic Council) shall forward to the Registrar the names of the Degree Teachers in their Colleges by October 15th in the year of election of Degree Teachers.

2. No person unless his name is borne on the list of Degree Teachers shall be qualified to vote or to be elected at any election held under rule 1.

3. When the Degree Teachers are to be elected, the Registrar shall circulate a notice, to every Degree Teacher on the list, stating the number of vacancies, and that candidates should be nominated for election within a time to be named in the notice.

4. The nomination of every candidate shall be by a Degree Teacher, supported by another Degree Teacher, and forwarded to the Registrar. Each Degree Teacher shall be entitled to nominate as many persons for election as there are vacancies.

The candidate proposed shall sign his Nomination Form in token of his consent to stand for election.

5. After the nominations under the rules have been received the Registrar shall send to every Degree Teacher a list of the candidates duly nominated, a voting paper, and a statement of the date for the election, and of the hours between which the votes may be recorded.

6. The election shall be conducted on the Single Transferable Vote System.

7. The Syndicate shall appoint one or more members of the Senate to co-operate with the Registrar in the supervision of the election.

* *Mutatis Mutandis* these Rules shall apply to the election of three Principals to the Academic Council under Regulation 1 (h) and (i) of Regulations relating to the Academic Council.

*8. Electors resident in Lahore may fill in and sign their voting papers at the Senate Hall on the day and within the hours notified in accordance with rule 5 and in the presence of the Registrar or the member of the Senate appointed by the Syndicate in accordance with rule 7 and shall thereafter deposit them in the ballot-box provided for the purpose. No such voting paper shall be deposited in the ballot-box after the expiry of the time notified in accordance with rule 5.

†9. Electors not resident in Lahore and such electors resident in Lahore as do not vote in the manner prescribed in rule 8 above, shall fill in and sign their voting papers in the presence of the Principal of their College, who shall authenticate the voting papers with his signature and designation.

‡10. The elector, if not filling in and signing the voting papers at the Senate Hall on the day and within the hours fixed for voting, shall forward the voting papers in a registered cover addressed to the Registrar so as to reach him not later than the day and hour notified for the closing of the ballot. The Registrar shall, as soon as possible after the receipt of such voting papers, deposit them in the ballot-box. Any such voting paper received later than the closing of the ballot and any paper received unsigned or otherwise than by registered post shall be regarded as invalid for the purposes of the election.

§11. On the day and on the expiry of the time notified in accordance with rule 5 the Registrar and the member of the Senate appointed in accordance with rule 7 shall open the ballot-box, scrutinise the voting papers, rejecting those which are not in accordance with these rules and shall count the votes recorded.

||12. After the scrutiny is completed, the names of the persons elected shall be forthwith announced.

¶13. In the event of an equality of votes between any two or more persons, the ex-officio Chairman of the Academic Council who would† not otherwise exercise his right of voting, shall record his vote.

* See rule 9.

† The countersignature of the proper authority, whenever necessary, be not on the voting paper itself but on a covering note accompanying the voting paper (*Syndicate Proceedings* of 21st November, 1924, paragraph 9).

‡ The Chairman may exercise his right of voting when election is conducted on Single Transferable Vote System.

XIV.

*RULES TO REGULATE THE PAYMENT OF TRAVELLING AND HALTING ALLOWANCES TO FELLOWS AND ADDED MEMBERS ATTENDING UNIVERSITY MEETINGS.

1. Any Fellow whose ordinary place of residence is not in Lahore, or in the case of a Government Officer who is on duty out of Lahore, shall be entitled to Rs. 8 per day or part of the day and first class return journey ticket for travelling from and to the ordinary place of residence, or in the case of a Government Officer from and to the place where he is on duty, if he travels to Lahore in order to attend a meeting of the Senate, the Syndicate, a Faculty, Boards of Studies, or any Sub-Committee of these. If the return journey ticket is not issued then he would be entitled to single first class fare each way.

Provided that if a Fellow reside, or be on duty, outside the Punjab or North-West Frontier Province, he shall be entitled to be paid only his expenses from and to the point at which he enters and leaves the Punjab or North-West Frontier Province or Native States represented on the Senate of the Panjab University.

An Added Member shall be entitled to the †halting allow-

* For a day's meeting charges should be allowed for one day only (*vide* para. 38 of the *Syndicate Proceedings*, dated the 1st April, 1921).

Travelling allowance to be paid only from the ordinary place of residence within the Punjab (*Syndicate Proceedings*, dated 10th October, 1925, paragraph 14).

† The following is the sanctioned scale of halting allowance per day :—

	Rs.	A.	P.
On pay exceeding Rs. 1,200	8	0 0
On pay from Rs. 1,000 to Rs 1,199	6	0 0

ance according to his salary and second class return journey ticket or, if the return journey ticket is not issued then, second class single fare each way.

A Fellow or Member of a Faculty claiming expenses under these rules shall submit a bill on a prescribed form.

2. In all ordinary cases the Registrar shall be empowered to pass and pay claims made under the preceding rule; but if in any case the usual rates seem to have been exceeded, or if any question arises as to whether a claim or any part of it has been rightly charged, the matter shall be referred to the Syndicate for decision.

3. In the event of it appearing likely at any time that the amount provided in the budget for this purpose will be exceeded before the end of the financial year, the Syndicate shall have power to suspend the payment of travelling expenses incurred in attending meetings of the Faculties, Boards of Studies, or Sub-Committees, either wholly or in part, but the Syndicate shall not suspend payment of expenses incurred in attending meetings of the Senate or Syndicate.

4. All bills should be presented within six months, otherwise the claims should be held to have lapsed.

5. All bills should be sent duly receipted affixing stamps wherever necessary. The unreceipted bills or insufficiently receipted bills will not be accepted.

	Rs.	A.	P.
On pay from Rs. 750 to Rs. 999	5	0 0
On pay from Rs. 350 to Rs. 749	4	0 0
On pay from Rs. 300 to Rs. 349	3	0 0
On pay from Rs. 200 to Rs. 299	2	8 0
On pay from Rs. 150 to Rs. 199	2	0 0
On pay from Rs. 100 to Rs. 149	1	8 0
On pay from Rs. 50 to Rs. 99	1	0 0
On pay below Rs. 50	0	10 0

The members of the Academic Council shall be paid travelling and halting allowance like the Fellows (*vide Syndicate Proceedings*, dated 12th May, 1933, paragraph 10).

XV.

*RULES FOR CONDONING DEFICIENCY IN LECTURES.

1. No case of condoning of deficiency in lectures shall be considered unless the application is made by the student on a prescribed form to be obtained from the University Office.

2. The application for condoning of deficiency in lectures on the prescribed form must reach the University Office not later than seven days from the date on which the course of lectures for the class is completed.

†3. Only those applications which are received in the University Office up to eight days before the commencement of the examination shall be considered by the standing Committee.

4. For the purposes of counting lectures, a lecture for a double period shall count as two lectures.

5. A member of the U.T.C. is permitted to be marked on Duty at a lecture, to count as an attendance, during the period in which he is absent on duty to attend the University Training Corps Camp, on production of a certificate from the military authorities to the effect that he was on duty on that day.

6. In the case of a candidate for the Indian Civil Service or the Indian Military Academy competitive examination the days spent in examination (i.e., from the first to the last paper of the candidate concerned) and in travelling connected therewith be counted, on production of satisfactory evidence, as attendance at lectures delivered to his class during the aforesaid period.

7. Migration from a College affiliated to another University shall be treated in the same manner as migration within the University.

8. No deficiency in lectures is to be condoned without strong reasons.

* When the decision of the Committee is unanimous or the case has been decided by the Vice-Chancellor under Regulation 7 of Chapter III, then no right of appeal accrues.

† This implies that applications received in contravention of this rule shall not be circulated to the members of the Committee and shall be deemed as rejected (*Syndicate Proceedings*, dated 22nd April, 1932, paragraph 8).

9. Ordinarily a deficiency of more than 5 lectures in each subject shall not be condoned : Science Practical to be considered a distinct subject for this purpose. In the case of Law examinations ordinarily a deficiency of more than 30 lectures in the aggregate shall not be condoned.

10. Permission for joining late may not be pleaded as a justification for condoning deficiency in lectures.

11. In cases of deficiency due to long continued illness, no consideration shall be given unless the Principal has received a Medical Certificate at the time of granting leave from a Medical Practitioner of a rank not lower than that of the Assistant Surgeon.

12. When, owing to any epidemic, an institution is closed for more than a fortnight, the Principal of the College may, in the case of persons who are deficient in lectures, count the number of lectures the candidate might have made up if the College had not been closed.

13. Failed candidates, who have already attended a full course of lectures, may be granted greater latitude than the above rules allow.

14. The candidate would be given benefit of lectures attended by him from the date on which he submitted his application for late admission.

15. The Syndicate shall appoint annually a standing Sub-Committee to consider applications for condoning of deficiency in lectures. When the Committee is unanimous, its decision shall be final. In case of difference of opinion, the matter shall be referred to the Vice-Chancellor who shall either decide the matter or refer it to the Syndicate for decision.

16. When the deficiency in lectures of a candidate in additional optional paper only is not condoned, then the candidate shall be allowed to take the examination in other subjects.

XVI-A.

RULES RELATING TO REMUNERATION OF EXAMINERS.

FACULTIES OF ORIENTAL LEARNING, ARTS,
SCIENCE, COMMERCE, LAW, MEDICINE
AND AGRICULTURE.

I-A.—WRITTEN EXAMINATIONS.

1. The scale of remuneration to Examiners shall be as stated below:—

Name of Examination.	For setting a paper.	For setting a second paper.	For exam- ining a paper.			Minimum fee.
	Rs.	Rs.	Rs.	A.	P.	Rs.
Matriculation	30	10	0	6	0	10
Intermediate	50	20	0	12	0	12
B.O.L., B.A., B.T. and B.Sc. ..	75	30	1	4	0	15
M.O.L., M.A. and M.Sc. ..	80	..	2	0	0	..
Shastri, Maulvi Fazil and Mun- shi Fazil	50	..	0	12	0	..
Visharada, Maulvi Alim and Munshi Alim	40	..	0	8	0	..
Proficiency in Sanskrit, Arabic and Persian	30	..	0	6	0	..
Vernacular Languages—						
Proficiency	30	..	0	6	0	..
High Proficiency	40	..	0	8	0	..
Honours	50	..	0	12	0	..
First Examination in Com- merce	50	20	0	12	0	12
Bachelor of Commerce	75	30	1	4	0	15

Name of Examination.	For setting a paper.	For setting a second paper.	For exam- ining a paper.	Minimum fee.
	Rs.	Rs.	Rs. A. P.	Rs.
First Examination in Law ..	100	..	2 0 0	..
LL.B. and LL.M. Examinations	100	..	2 0 0	..
Diploma in Conveyancing and Deed-writing	100	..	2 0 0	..
Examinations in Medicine ..	100	..	2 0 0	..
First Examination in Agricul- ture	50	..	0 12 0	..
Final Examination in Agricul- ture	75	..	1 0 0	..
First and Second Examinations in Engineering	75	30	1 4 0	15

Alternate Question Papers.

2. In the B.A. Examination when alternate papers are to be set by the same examiner, he shall be paid Rs. 75 for the first and Rs. 40 for each subsequent paper.

In the M.A. Examination when alternate papers are to be set by the same examiner, he shall be paid Rs. 80 for the first and Rs. 50 for each subsequent paper.

Matriculation.

3. One setting and examining fee shall be equally divided between the examiners of Calligraphy and Dictation papers.

B.Sc. (Honours School).

4. In Botany, Zoology, Chemistry and Technical Chemistry the remuneration for examining the answer books and setting the papers is the same as for the M.Sc. (Old) Examination.

M.A. and M.Sc.

5. Each of the two examiners shall be paid Rs. 2 for examining each answer paper.

6. In History, Economics, Sanskrit and Science subjects no setting fee is to be paid for the thesis work, but Rs. 15 is to be paid to each examiner for examining one thesis and oral examination connected therewith. The external examiner in thesis in Botany or Zoology is guaranteed a minimum fee of Rs. 50. In case of Chemistry, remuneration for examining Post-Honours School Research Thesis is as under:—

Internal Examiner	... Rs. 15
External Examiner	... Rs. 50

provided no travelling allowance is given in connection with that examination.

A University Professor added as an ex-officio examiner shall not be paid any fee.

B.T.

7. Two examiners are to be appointed for Paper IV, each receiving Rs. 75.

Examinations in Medicine.

8. The fees for setting the question papers shall be divided equally amongst the co-examiners while fee for examining the answer papers is to be paid in full to each of the co-examiners.

Commerce Examinations.

In subjects where there are two examiners, each examiner shall be paid full examining fee.

For dictating a passage for shorthand Rs. 10 shall be paid.

Final Examination in Engineering.

The paper-setting and examining fee shall be the same as for the Honours Schools examinations.

Degree of Doctor.

9. Each examiner appointed to examine for the Degree of Doctor in any Faculty shall be paid rupees two hundred.

General.

10. When an answer paper is divided into parts, the payment for different parts should be so divided as not to exceed the fee for examining a whole paper.

11. If an examiner is appointed to examine answers to a paper or papers that he has not himself set, the fee paid to him shall not be less than *half the fee paid for setting the paper or papers.

12. When an examiner is appointed to examine answers to a paper or papers that he set for the examination of a previous year, the fee paid to him shall not be less than half the fee paid for setting the paper or papers.

13. The Vice-Chancellor has ruled that except in case of practical examination in Science subjects a "minimum fee" means least total amount to be paid to an examiner in respect of written examination.

14. Examiners for the supplementary examinations are to be treated as separate examiners.

* It means half of what is paid to one examiner and not half of the total of two fees, paid to two examiners.

I-B.—REMUNERATION TO HEAD EXAMINERS.

Matriculation.

1. A Head Examiner shall be paid—

- (a) For setting the papers the usual fee.
- (b) For re-examining at least seven and a half per cent. of the papers submitted by subordinate examiners, in order to secure uniformity of standard, the same fee per paper as is paid to subordinate examiners.
- (c) For other work connected with the Head Examinership, each Head Examiner in English, Mathematics and History and Geography Rs. 300 each. Each Head Examiner in other subjects Rs. 200, provided the number of subordinate examiners is six or more, otherwise Rs. 150.

Intermediate.

2. The Head Examiner shall be given an additional remuneration of Rs. 75 when there are more than two and not more than four subordinate examiners. If the number of subordinate examiners exceeds four, the Head Examiner shall be given an additional remuneration of Rs. 150 instead of Rs. 75.

B.A.

3. Each Chief Examiner in English shall, in addition to the examining fee, be paid rupees two hundred and fifty for the work connected with the Chief Examinership.

Proficiency Examination in Hindi.

4. The Head Examiner shall issue detailed instructions regarding the method of marking. He shall be responsible for the preserving of an even stand-

ard of marking as the work progresses and shall for this purpose examine 5% of the answer-books marked by the other examiners. He shall not be entitled to any additional fee as Head Examiner except the fee for checking the prescribed percentage of papers of the subordinate examiners.

General.

5. When the examiner is unable to set and look over the passages for translation into English from all the vernaculars specified in the Regulations for the Matriculation and Intermediate Examinations, special arrangements may be made by the Syndicate for the remuneration of the persons selected to set, look over, and mark the passages for translation from the vernacular into English, and to look over and mark the passages set by the Examiners in English for translation into vernaculars.

II.—ORAL AND PRACTICAL EXAMINATIONS.

Oral Examination in English.

1. The Oral Examination in English being only for reading, the examiner in English shall set a paper for this without any further remuneration.

B.O.L.

2. The fee for conducting the Oral Examination in English shall be annas twelve for each candidate.

Agricultural Examinations.

3. The fee for conducting the Oral Examination in English will be annas twelve and rupee one for each candidate for the First and Final Examinations in Agriculture respectively.

4. The scale of remuneration of Examinations in Science shall be as follows :—

		For setting a paper.	For examin- ing candi- dates.	Minimum fee.
		Rs.	Rs. A. P.	Rs.
Matriculation	..	20	0 12 0	15
Intermediate	..	50	1 8 0	20
B.A. and B.Sc.	..	65	2 0 0	30
M.Sc.	..	80	5 0 0	40
B.T.	..	<i>Nil</i>	2 0 0	30

F.A. and F.Sc.

5. In Science Practical Examinations, where several papers are to be set for separate batches of students, Rs. 50 shall be paid for the first and Rs. 15 for each subsequent paper. The Head Examiner shall be paid Rs. 100 for other work connected with the examination, and for re-examining about 10 per cent. of the papers examined by the subordinate examiners the same fee per candidate as is paid to the latter. * Remuneration should not be paid for more than 15 per cent. unless the examiner notes his reasons for examining more. The Head Examiner shall be paid for the actual number of answer books re-examined.

B.A. and B.Sc.

6. In Practical Examinations in Science Rs. 65 shall be paid for the first paper and Rs. 35 for each subsequent paper set. The remuneration for B.Sc. Thesis is Rs. 5 per candidate.

M.A. and M.Sc.

7. Where more than one examiner is present and takes part in the Practical Examination, each examiner

shall be entitled to Rs. 5 per candidate or to an equal share of the minimum fee, whichever is the greater.

B.T.

8. Fee is to be paid to each of the members of the Board appointed to conduct the Oral Examination.

AGRICULTURAL EXAMINATIONS.

F.Sc. and B.Sc. Agriculture.

9. The fee for conducting the Practical Examination in Science will be Rs. 1-8 per candidate per examiner for F.Sc. Agriculture and Rs. 2 per candidate per examiner for B.Sc. Agriculture. The minimum fee for Practical work in F.Sc. and B.Sc. Agriculture Examinations is the same as for the Intermediate and B.Sc. Examinations of the Faculty of Science.

10. The scale of remuneration for setting question papers in Practical Examination in the First Examination in Agriculture is to be the same as for the F.A. and the F.Sc., and for the B.Sc. in Agriculture it is to be the same as for the B.A. and B.Sc.

M.Sc. Agriculture.

The following remuneration is to be paid:—

Internal Examiner	...	Rs. 15 per thesis.
External Examiner	...	Rs. 50 per thesis if he does not come for Practical Ex- amination, other- wise Rs. 15 per candidate plus travelling and halt- ing allowance at University rates.

Examinations in Medicine.

11. In subjects in which there is both a Practical or Clinical and an Oral Examination the fee shall be Rs. 5 for each candidate, and in those in which there is only an Oral Examination Rs. 2 for each candidate.

Provided that a minimum fee of Rs. 32 shall be allowed to the Oral Examiner in each subject.

Examinations in Engineering.

12. Each paper shall be set by two examiners jointly (one internal and one external) who would equally divide the setting fee between themselves. Each answer-book shall be marked by the two examiners—one internal and the other external—who shall each be paid the full examining fee.

Law Examinations.

13. In the LL.M. Examination there shall be internal as well as external examiners. One setting fee shall be paid to both the examiners, whereas each of them would be paid the full examining fee.

General.

14. The number of groups and number of practical papers to be set for the B.Sc. and M.Sc. Science Practical Examinations shall invariably be reported to the Syndicate.

15. Examiners for supplementary examinations are to be treated as separate examiners.

XVI-B.

*RULES FOR THE NOMINATION AND APPOINTMENT OF †EXAMINERS.

In these Rules an External Examiner is one who is not teaching in a College affiliated to the Panjab University. But for the purposes of the Master's Examination both in Arts and Science, on paper and thesis, and for examinations in Honours Schools as well as for Honours in the Bachelor's Examination, an External Examiner ordinarily is a teacher in another University.

A Neutral Examiner is one who is not teaching (and has not taught for the two years previous to the examination) candidates for the particular examination for which he is appointed. He may or may not be a member of an affiliated College.

An Internal Examiner is one who is teaching (or has taught within the previous two years) candidates for the particular examination for which he is appointed.

RULES (General).

1. As far as possible, the Paper-Setters for any academic year shall be appointed before the end of May in the previous academic year.

* The Syndicate has decided that the various Boards of Studies should submit to the Revising Committee their recommendations regarding the appointment of subordinate examiners by the end of January and the appointment of paper-setters by the end of March each year, and that the School Board should submit its recommendations relating to the appointment of subordinate examiners on or before the 15th of January each year, failing which the Revising Committee shall proceed to make its own recommendations more or less on the basis of the last year's list (*Syndicate Proceedings*, dated the 19th February, 1st April and 20th May, 1932).

† So far as possible, a teacher, if otherwise equally qualified under the rules, should be preferred to a non-teacher (*vide paragraph 11 of the Syndicate Proceedings*, dated the 19th June, 1931).

600 NOMINATION AND APPOINTMENT OF EXAMINERS.

2. No examiner may be appointed to examine the papers of more than 520 candidates, or more than 800 half papers in any one examination or more than 800 full papers, practicals included, in any one year.

*3. An examiner who is appointed to set a paper in a subject for the first time (or after an interval) may be re-appointed to a paper in the same subject for the following two years. But at the end of three years a change should ordinarily be made and in all cases after a period of five years. When an examiner is changed owing to his having served for the maximum period he shall not be appointed an examiner in the same year in another paper in the same subject. This does not apply to the M.A. and M.Sc. Examinations and to the Final Examination in an Honours School.

4. No member of the Revising Committee shall be appointed as an examiner.

5. A Board of Studies may nominate any of its own members to a Board of Examiners, but not as a single examiner unless it at the same time suggests an alternative name. If it is not possible to recommend a suitable alternative name the Board shall state the fact.

6. An Internal Examiner shall not be appointed except as a member of a Board of Examiners or for a Practical Examination.

7. Ordinarily no student who is on the rolls of an affiliated college shall be appointed as examiner.

8. Except in exceptional circumstances, no person shall be appointed to set more than three question papers for examinations held during the year. When a paper is set conjointly by two examiners it shall count as half a paper for purposes of calculation. This is not to include the papers set for the practical examinations and appointment as examiner for a thesis.

SPECIAL RULES FOR M.O.L., M.A., M.Sc. (OLD TYPE) AND HONOURS SCHOOLS FINAL EXAMINATIONS.

9. Boards of Examiners shall be appointed to conduct the above examinations. In each Board there shall be at least one External Examiner, and if the Board consists of six or more, at least two External Examiners, provided that if two suitable examiners are not available, the place of one of them may be filled by a Neutral Examiner.

* The word "examiner" includes subordinate examiner. An examiner who has served for the maximum period in one subject, can be appointed examiner in another subject in the same examination, provided he is otherwise qualified for appointment (*vide* paragraph 9 of the *Syndicate Proceedings*, dated the 17th February, 1928).

10. Every answer paper, whether for Theoretical, Practical or Thesis Paper, shall be read by two examiners who shall be jointly responsible for the marking of the paper and one of these two shall, if possible, be a Neutral Examiner except in the case of practical examinations. If the University Professor concerned is not the Internal Examiner of a thesis he shall be an ex-officio examiner and member of the Board of Examiners.

*SPECIAL RULES FOR M.Sc. (HONOURS SCHOOLS)
EXAMINATIONS.

11. Each thesis presented shall be examined by one Internal and one External Examiner conjointly. In addition to these, the University Professor concerned shall be an ex-officio examiner and member of the Board of Examiners.

SPECIAL RULES FOR †B.A. PASS AND HONOURS AND SUBSIDIARY
PAPERS IN HONOURS SCHOOLS.

12. The examiners shall be Neutral Examiners except when a Board of Examiners is appointed when rules 8 and 9 shall apply. When the number of candidates exceeds 650, a Head Examiner shall be appointed who shall set the paper and one or more Subordinate Examiners as may be required. If a Head Examiner with Subordinate Examiners be appointed, then the Subordinate Examiners may be Internal Examiners, but the standard of the marking of the Subordinate Examiners shall be determined by the Head Examiner.

13. Each Honours question paper shall be set conjointly by two examiners, one an External and the other Internal, and the answer-book shall be read in full by both the examiners, each entitled to the full fee for examining an answer-book.

* It has been decided that every external examiner for the M.Sc. Chemistry thesis be requested either to come to Lahore to conduct the oral examination of the candidate, in conjunction with the internal examiner, or, in case he is unable to come to Lahore, should send certain number of questions on the particular subject-matter of the thesis to the internal examiner, who will arrange to have those questions answered, in writing, by the candidate, without reference to books but with the thesis in front of him, under his supervision or under the supervision of some responsible person, and will send the answers to the external examiner.

It has further been decided that the Board of Control will consider all the results and the order of merit within the classes will be decided by the Board of Control.

(*Syndicate Proceedings*, dated 21st March, 1930, paragraph 19).

† See footnote at the next page.

602 NOMINATION AND APPOINTMENT OF EXAMINERS.

SPECIAL RULES FOR B.Sc. PASS INCLUDING SCIENCE SUBJECTS IN THE B.A.

14. In appointing examiners for this examination Rule 11 may be followed or in the alternative the following method may be adopted :—

An External Examiner and two Moderators (who may be Internal Examiners) may be appointed. The three shall be jointly responsible for the setting of the Theoretical Papers. The examining of the papers shall be entirely conducted by the External Examiner.

*INTERMEDIATE EXAMINATIONS.

15. When the number of candidates taking a paper exceeds 650, a Head Examiner shall be appointed and one or more Subordinate Examiners. Single Examiners, appointed when the number of candidates does not exceed 650, and Head Examiners shall be Neutral Examiners. Subordinate Examiners may be Internal Examiners but their standard of marking shall be determined by the Head Examiner.

SPECIAL RULES FOR LAW EXAMINATIONS.

16. As far as possible, the Paper-Setters for the Law Examinations shall be appointed before the end of October in the previous year.

17. No examiner may be appointed to examine the papers of more than 350 candidates.

18. In the LL.M. Examination, Internal as well as External Examiners shall be appointed.

†SPECIAL RULES FOR EXAMINATIONS IN THE FACULTY OF AGRICULTURE.

19. For each subject there shall be two examiners. One of them will be a Neutral or External Examiner and the other an

* In the Intermediate and B.A. Examinations, care should be taken that Head Examiner, when there are Subordinate Examiners for the examination, should not be appointed from such distance as to be unable to complete the work within the time assigned (*vide* paragraph 28, *Syndicate Proceedings*, dated 12th December, 1930).

† From 1935, the First and Final Examinations in Agriculture shall be conducted by External Examiners only (*vide* paragraph 17 of the *Syndicate Proceedings*, dated the 19th May, 1933).

Internal Examiner. Each question paper for theory as well as practical examination will be set jointly by the two examiners. Both the examiners will also be responsible for marking the answer papers.

20. A Neutral or an External Examiner who is appointed to set a paper in a subject for the first time may be re-appointed to a paper in the same subject for the following two years. But at the end of three years a change should ordinarily be made and in all cases after a period of 5 years. The same examiner may be re-appointed after an interval of two years.

21. In the appointment of examiners for the B.Sc. in Agriculture the same Rules would be followed as for the B.Sc. Examination.

SPECIAL RULES FOR THE MEDICAL EXAMINATIONS.

22. For each subject there shall be two examiners—an Internal and a Neutral or External Examiner. Question papers will be set jointly by the two examiners and the practical and oral examinations will be carried out by both examiners jointly.

23. A Neutral or an External Examiner who is appointed to set a paper for the first time shall ordinarily be re-appointed to a paper in the same subject for the following two years at the end of which time a change will ordinarily be made if another suitable examiner is available.

SPECIAL RULES FOR THE M.S.L.C. EXAMINATION.

24. No Sub-Examiner shall mark in more than one paper in the M.S.L.C. Examination and no examiner shall set papers in more than one subject in that examination.

25. No Sub-Examiner shall mark the papers of more than 360 candidates in the M.S.L.C. Examination or more than 800 half papers in that examination.

26. The School Board may nominate any of its own members as an examiner, provided it at the same time suggests an alternative name. If it is not possible to recommend a suitable alternative name the Board shall state the fact.

27. Persons seeking appointment as Sub-Examiners should submit applications on the prescribed form—separate form to be used for each subject.

28. No Principal or Lecturer of an Intermediate College with high classes attached, Head Master or a teacher in a school

NOTE.—In the M.S.L.C. Examination there shall be four Head Examiners for English and Mathematics—two for Paper (a) and two for Paper (b) in each subject.

604 NOMINATION AND APPOINTMENT OF EXAMINERS.

shall be appointed as Head Examiner or Paper-Setter in the M.S.L.C. Examination.

29. No one shall be appointed a Paper-Setter who has written a book on the branch of the subject included in the paper.

SPECIAL RULES FOR THE ENGINEERING EXAMINATIONS.

30. Each paper shall be set by two examiners jointly (one internal and one external or neutral) who would equally divide the setting fee between themselves. Each answer-book shall be marked by the two examiners—one internal and the other external or neutral—who shall each be paid the full examining fee.

XVI-C.

RULES REGARDING THE FUNCTIONS OF CHIEF HEAD EXAMINERS.

B.A. EXAMINATION (ENGLISH ONLY).

1. The Paper-Setter, hereinafter to be called the Chief Examiner, shall convene a meeting of the examiners in his paper, to discuss methods of marking and examine a number of papers with a view to starting the examining with an even standard.

2. Each Chief Examiner shall be responsible for the preserving of an even standard in marking as the work progresses. For this purpose the examiners shall send to him in batches the answer-papers and the marks assigned. The Chief Examiner shall compare the percentages and distribution of marks and also compare papers assigned the same marks.

3. The Chief Examiner shall not himself mark any papers except for the purposes given in (1) above, but he shall read for purposes in (2) above not less than 20 per cent. of the papers examined by each examiner.

4. The answer-books of all the candidates for the Bachelor of Science Examination in each paper shall be examined by one and the same examiner.

5. The Chief Examiner may, if he thinks necessary, make suggestions to the examiners as the work progresses.

6. In either of the two following cases, namely—

(i) when the examiner does not accept the suggestions of the Chief Examiner, as in (5) above, or

(ii) when after the preparation but before the submission of results the Chief Examiner considers any change necessary, the Chief Examiner shall formulate his proposals in writing and refer the matter to the Board consisting of himself and other examiners in the paper. The Board shall consider those proposals and shall have power to make any necessary modification, provided that any raising or lowering of the standard in the case of an examiner shall apply to all the candidates examined by that particular examiner. When the votes are equal, the Chief Examiner shall have the casting vote.

7. The records of the action taken by the Chief Examiners and the Board of Examiners shall be regarded as confidential, but shall be available to the Board of Moderators.

8. Any further suggestion, which the Board of Moderators may make (under Regulation 14, Chapter VII of Part II of the Calendar) with reference to the general pass percentage shall be referred to the Chief Examiner in the paper, who shall represent the examiners for purposes of the above said regulation.

B.A. (EXCEPT ENGLISH) AND THE INTERMEDIATE EXAMINATIONS.

1. When there are two examiners in any paper either in the Intermediate or the B.A. (English excepted in B.A.) Examination, then the Paper-Setter shall discuss methods of marking with the other examiner and they shall examine 20 papers together with a view to starting the examining with an even standard. The Paper-Setter shall be responsible for the preserving of an even standard in marking as the work progresses and shall for this purpose examine 5 per cent. of the answer-books marked by the other examiner.

If the other examiner is not resident in Lahore then the standard of marking may be settled by correspondence.

2. When there are more than two subordinate examiners in any paper either in the Intermediate or the B.A. (English excepted in B.A.) examination, then the Paper-Setter, to be called "the Head Examiner," shall convene a meeting of the examiners in the paper to discuss the methods of marking with the other examiners and they shall examine 20 papers together with a view to starting the examining with an even standard. The Head Examiner shall be responsible for the preserving of an even standard in marking as the work progresses and shall for this purpose examine 5 per cent. of the answer-books marked by the other examiners. The Head Examiner in the B.A. (English excepted) Examination shall be given an additional remuneration of Rs. 75. The Head Examiner in the Intermediate Examination shall be given an additional remuneration of Rs. 75 when there are more than two and not more than four subordinate examiners, and Rs. 150, instead of Rs. 75, if the number of subordinate examiners exceeds four.

If the other examiner is not resident in Lahore then the standard of marking may be settled by correspondence.

3. In the case of difference of opinion the decision of the Paper-Setter or the Head Examiner shall prevail.

M. AND S.L.C. EXAMINATION.

1. In M. and S.L.C. Examination wherever there are 4 Head Examiners in a subject each paper shall be divided into two

parts and all the answers to one half-paper shall be under the control of one Head Examiner, and all the answers to the second half-paper under the control of the second Head Examiner.

2. Joint-Examiners and Paper-Setters shall set the papers jointly, hold the meeting jointly and issue the instructions to sub-examiners jointly.

PROFICIENCY EXAMINATION IN HINDI.

1. The Head Examiner shall issue detailed instructions regarding the method of marking. He shall be responsible for the preserving of an even standard of marking as the work progresses and shall for this purpose examine 5 per cent. of the answer-books marked by the other examiners. He shall not be entitled to any additional fee as Head Examiner except the fee for checking the prescribed percentage of papers of the subordinate examiners.

XVI-D.

INSTRUCTIONS FOR M.A. AND M.Sc. (OLD TYPE) EXAMINERS.

1. There shall be in each written paper and for each thesis one internal and one external examiner to set and mark papers conjointly. For a thesis, in addition to these, the University Professor concerned shall be an ex-officio examiner and member of the Board of Examiners without payment. Provided that in practical examination both the examiners may be internal examiners.

2. The whole result shall be discussed and approved at a meeting of the Board of Examiners appointed in accordance with Rule 9 of the rules for nomination and appointment of examiners.

3. The Board of Studies at the time of recommending the names of examiners shall recommend the name of Convener of the Board of Examiners. If the Convener recommended is not available the Registrar shall request the Vice-Chancellor to appoint one in his place.

4. The Convener of the Board of Examiners, in consultation with the Registrar, shall arrange for a meeting of the Board for discussing the results.

5. At least one external examiner, if possible, should be present at the meeting of the Board of Examiners to enable the Board to discuss and approve of the results.

6. All examiners, external or internal, who are appointed members of the Board of Examiners shall be invited to attend the meeting of the Board of Examiners convened to discuss the results.

7. When two examiners are unable to agree on the marking of one or more papers, the matter shall be decided by the Board.

8. When the Board meets to consider the results, they may consider the marks of candidates who are on the line between two classes or between pass and failure. Marks may then be changed, provided that both examiners consent either at the meeting or subsequently in writing.

9. The Convener shall be responsible for the compilation of results as approved by the Board and the result sheet shall be signed by the members of the Board of Examiners or their consent duly secured. The marked answer papers must always

be made over to the Registrar when the result sheet has been signed.

10. The external examiner shall ordinarily be a teacher in another University. In exceptional circumstances, the Syndicate may, after considering the recommendations of the Revising Committee, appoint an external examiner from within the province.

11. The answer-books shall ordinarily be first marked by the external examiner.

12. The Revising Committee shall ordinarily consult the Convener of the Board concerned as regards a suitable substitute whenever a change is considered necessary by the Revising Committee. The Convener shall report his recommendation to the Board of Studies at its next meeting.

13. Whenever an external examiner is unable to attend the meeting of the Board of Examiners he may, if he so desires, send written questions for the *visa voce* examination in thesis. Written answers of the candidates shall be sent to him if he so desires.

14. The question papers shall be set and submitted jointly by the internal and external examiners, but the external examiner shall be the first to set questions and send them to the internal examiner.

XVI-E.

RULES FOR M.A. AND M.Sc. (HONOURS SCHOOL) EXAMINATIONS AND FOR EXAMINATIONS IN HONOURS SCHOOLS AS WELL AS FOR HONOURS IN THE BACHELOR'S EXAMINATION.

1. There shall be in each written paper and for each thesis one internal and one external examiner to set and mark papers conjointly. For a thesis, in addition to these, the University Professor concerned shall be an ex-officio examiner and member of the Board of Examiners without payment.

2. The external examiner shall ordinarily be a teacher in another University. In exceptional circumstances, the Syndicate may, after considering the recommendations of the Revising Committee, appoint an external examiner from within the province.

3. The answer-books shall ordinarily be first marked by the external examiner.

4. In practical examinations both the examiners may be internal examiners.

5. The Revising Committee shall ordinarily consult the Convener of the Board concerned as regards a suitable substitute whenever a change is considered necessary by the Revising Committee. The Convener shall report his recommendation to the Board of Studies at its next meeting.

6. Whenever an external examiner is unable to attend the meeting of the Board of Examiners he may, if he so desires, send written questions for the *viva voce* examination in thesis. Written answers of the candidates shall be sent to him if he so desires.

7. The question papers shall be set and submitted jointly by the internal and external examiners, but the external examiner shall be the first to set questions and send them to the internal examiner.

XVI-F.

RULES REGARDING ORIENTAL COLLEGE COUNCIL.

1. *Constitution.*—The Oriental College Council shall consist of: (a) the Principal of the College as Chairman; (b) the following members of the College staff: the Professors of Sanskrit, Arabic and Persian, the Head Pandit, the Head Maulvi, the Head Munshi and the Head Teacher of Panjabi with not more than one other member to be nominated by the Principal; (c) not more than three external members to be nominated by the Syndicate, each for a term of two years.

2. *Functions.*—The functions of the Council shall be: (a) to advise the Principal with regard to the organisation of instruction in the Oriental College and such other matters relating to the College as may be referred to it for opinion by the Principal; (b) to associate other Oriental Institutions such as Pathshalas and Madrassahs with the Oriental College.

3. On the receipt of an application for association with the Oriental College, the Oriental College Council shall consider whether the Institution is on a satisfactory financial basis, possesses or has the use of sufficient accommodation for the purpose of instruction, that the staff is adequate in numbers and qualifications, that a regular time table is followed, and that some provision is made for a library. When the Oriental College Council is satisfied that these conditions are fulfilled it may grant the privileges of association. This association may be unconditional or it may be provisional, conditional and for a limited period.

4. Once every year the list of associated institutions shall be reviewed by the Oriental College Council and any institution that does not appear to satisfy the conditions of association shall be removed from the list.

5. It shall be a duty of the College Council to draw up rules for defining the conditions of association. Such rules shall be reported for approval to the Senate.

6. The Council shall depute members of the Council or other competent persons to visit associated institutions from time to time, provided that the annual programme of such inspections shall be submitted to the Syndicate for sanction.

7. The Council shall consider reports on associated institutions and may make suggestions to those institutions for improvements and may make recommendations to the Syndicate for the distribution of grants for the purchase of books, etc., when funds are available.

8. The staff and students of institutions associated with the Oriental College shall be eligible for the privileges of a reader in the use of the Oriental sections of the University Library, but the privileges of borrowing books from these sections shall be extended only to the Heads of these institutions.

9. Candidates for Oriental examinations appearing from associated institutions may be shown in the results as the pupils of such institution.

10. From time to time as may be found practicable short courses of special lectures by senior members of the Oriental College staff shall be arranged for the benefit of such teachers in associated institutions as may wish to attend them. Arrangements may also be made occasionally for a teacher in an associated institution to give a short course of lectures in the Oriental College.

Institutions associated with the Oriental College.

- (1) The Madrasa of the Anjuman-i-Islamia, Lahore.
- (2) R.B. Gagar Mal's Sanskrit Pathshala, Amritsar.
- (3) S.D. Sanskrit Pathshala, Multan.
- (4) Sanskrit Pathshala, Hoshiarpur.
- (5) Jami Ahmadiya, Qadian.
- (6) Madrasa-i-Fadaliya, Batala.
- (7) Dar-ul-Uloom Hanafiya, Kasur.
- (8) S.D. Pathshala, Jind.
- (9) Madrasa-i-Arabiya, Srinagar.
- (10) Dar al Ulum Alsina Sharqiya, Lahore.

Institution associated provisionally.

- (1) Mahavidala, Sultanpur (Kapurthala State).
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XVI-G.

RULES RELATING TO THE CLASSES ATTACHED TO THE HAILEY COL- LEGE OF COMMERCE FOR PRE- PARING CANDIDATES FOR THE GOVERNMENT DIPLOMA IN ACCOUNTANCY.

1. Candidates who have passed one of the qualifying examinations laid down by the Accountancy Diploma Board shall be eligible for admission to the Government Diploma in Accountancy Class attached to the Hailey College of Commerce.

2. The students in the first year class shall be admitted in the first week of May by the Principal, Hailey College of Commerce.

3. The course shall consist of two academic years.

4. The classes shall be held thrice a week in the evenings for one period in each of the two following subjects of the examination :—

(i) Accounting and Auditing.

(ii) Commercial Law.

5. A fee of Rs. 100 shall be paid by each student for the year in two instalments of Rs. 50 each in May and November. The first instalment shall be paid at the time of admission to the class.

XVI-H.

RULES RELATING TO COMPULSORY PHYSICAL TRAINING.

1. The following are the activities approved for compulsory Physical Training in the first year class. The length of the period therefor is shown against each activity :—

No.	Activity.	Period.
1	Hockey match or practice ..	60 minutes.
2	Football match or practice ..	60 "
3	Cricket match (one full innings) ..	One innings equal to 2 periods.
4	Cricket practice-- Batting, bowling and fielding	60 minutes.
5	Tennis Singles match or practice ..	60 "
6	Tennis Doubles match or practice ..	80 "
7	Athletics	60 "
8	Boxing match or practice ..	30 "
9	Wrestling match or practice ..	45 "
10	Gatka match or practice ..	60 "
11	Basket-ball match or practice ..	45 "
12	Volley-ball match or practice ..	60 "
13	Kabaddi match or practice ..	60 "
14	Swimming and Diving ..	60 "
15	Rowing and Sculling ..	60 "
16	Gymnastics	60 "
17	Callisthenics (formal and informal) ..	60 "
18	Corrective and medical exercises ..	60 "
19	Horse riding and cycling ..	60 "
20	U.T.C. activities ..	Drill period.

2. No student shall be given credit for attendance for more than three periods per week.

3. The credit for attendance shall be given only when the activities are properly organised by the College. Properly

qualified and adequately trained Physical Instructors are essential for this purpose.

4. Students who are unfit for physical training shall, on the production of a medical certificate, be exempted by the Principal, who shall report his decision to the University and send the application of the candidate along with the proper medical certificate supporting it to the Registrar.

5. The application for exemption of a student who comes from a distant village every day to attend the College and returns thereto, shall be decided by the Vice-Chancellor on its own merits.

XVII.

INSTITUTIONS AFFILIATED TO THE UNIVERSITY.

(I). IN ARTS, SCIENCE, AND ORIENTAL FACULTIES.

A. (Up to the M.A. Standard).

1. Oriental College, Lahore.
2. Government College, Lahore.
3. Forman Christian College, Lahore.
4. D.A.-V. College, Lahore.
5. Islamia College, Lahore.
6. Khalsa College, Amritsar.
7. Mohindra College, Patiala.
8. Dyal Singh College, Lahore.
9. Sanatana Dharma College, Lahore.
10. S.P. College, Srinagar.
11. Prince of Wales College, Jammu.

B. (Up to the B.A. Standard).

1. D.A.-V. College, Lahore.
2. Oriental College, Lahore.
3. Forman Christian College, Lahore.
4. Government College, Lahore.
5. Islamia College, Lahore.
6. Khalsa College, Amritsar.
7. Mohindra College, Patiala.
8. Gordon College, Rawalpindi.
9. Dyal Singh College, Lahore.
10. Prince of Wales College, Jammu.
11. Sri Pratap College, Srinagar, Kashmir.
12. Edwardes College, Peshawar.
13. Murray College, Sialkot.
14. Islamia College, Peshawar.
15. Sanatana Dharma College, Lahore.
16. Kinnaird College, Lahore.
17. The Lahore College for Women, Lahore.
18. Sadiq-Egerton College, Bahawalpur.
19. D.A.-V. College, Jullundur.

20. Ludhiana Government College, Ludhiana.
21. deMontmorency College, Shahpur.
22. Ramsukh Das College, Ferozepur.

C. Intermediate Colleges.

1. Oriental College, Lahore.
2. D.A.-V. College, Lahore.
3. Forman Christian College, Lahore.
4. Government College, Lahore.
5. Islamia College, Lahore.
6. Khalsa College, Amritsar.
7. Gordon College, Rawalpindi.
8. Murray College, Sialkot.
9. Edwardes College, Peshawar.
10. Sadiq-Egerton College, Bahawalpur.
11. Randhir College, Kapurthala.
12. Mohindra College, Patiala.
13. Sri Pratap College, Srinagar, Kashmir.
14. Prince of Wales College, Jammu.
15. Dyal Singh College, Lahore.
16. Kinnaird College, Lahore.
17. Islamia College, Peshawar.
18. Lady Hardinge Medical College, New Delhi.
19. Sanatana Dharma College, Lahore.
20. D.A.-V. College, Jullundur.
21. D.A.-V. College, Rawalpindi.
22. Multan College, Multan.
23. Ludhiana Government College, Ludhiana.
24. The Lahore College for Women, Lahore.
25. V.B. College, Dera Ismail Khan.
26. Ramsukh Das College, Ferozepur.
27. G.N. Khalsa College, Gujranwala.
28. Hindu Sabha College, Amritsar.
29. Government Intermediate College, Lyallpur.
30. Government Intermediate College, Gujrat.
31. Government Intermediate College, Campbellpur.
32. Lawrence College, Ghoragali.
33. Government Intermediate College, Jhang.
34. Government Intermediate College, Dharamsala.
35. Malerkotla College, Malerkotla.
36. Khalsa Intermediate College, Lyallpur.
37. Dayanand Mathradas College, Moga.
38. D.A.-V. Intermediate College, Hoshiarpur.
39. Government Intermediate College, Hoshiarpur.
40. Government Intermediate College, Rohtak.
41. Government Intermediate College, Pسرur.

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42. Bishop Cotton School and Intermediate College, Simla.
43. deMontmorency College, Shahpur.
44. The Lawrence Royal Military School, Sanawar (Simla Hills).
45. Intermediate College, Quetta.
46. The Stratford Intermediate College for Women, Amritsar.
47. M.A.O. Intermediate College, Amritsar.

D. (For the Teaching Degree).

Central Training College, Lahore.

(II). IN LAW.

The Law College, Lahore.

(III). IN MEDICINE.

The Medical College, Lahore.

Lady Hardinge Medical College, New Delhi.

(IV). IN AGRICULTURE.

Agricultural College, Lyallpur.

Khalsa College, Amritsar.

Islamia College, Peshawar.

(V). IN COMMERCE.

Hailey College of Commerce, Lahore.

(VI). IN ENGINEERING.

MacLagan Engineering College, Moghalpura (Lahore).

XVIII.

*INSTITUTIONS AFFILIATED TO THE UNIVERSITY.

I. IN THE ORIENTAL FACULTY.

A. (*Up to the M.O.L. Standard*).

1. **Oriental College, Lahore**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in all subjects.

B. (*Up to the B.O.L. Standard*).

1. **Oriental College, Lahore**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in all subjects.

C. (*Up to the F.O.L. Standard*).

1. **Oriental College, Lahore**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in all subjects.

D. (*Up to the Oriental Titles Standard*).

1. **Oriental College, Lahore**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in Shastri, Visharad, Prajna, Maulvi Fazil, Maulvi Alim, Maulvi, Munshi Fazil, Munshi Alim, Munshi, Gyani, Vidwan, Budhiman and Proficiency and High Proficiency in Urdu, Hindi and Pashto.

*The Syndicate has decided that when a College is affiliated in a Vernacular as an option it be deemed affiliated in that as a full subject as well (paragraph 11 of the *Syndicate Proceedings*, dated the 9th October, 1931), and that when it is affiliated in a subject in either the Arts or the Science Faculty it be deemed to be affiliated in the same subject for the Science or the Arts Faculty respectively as the case may be (paragraph 15 of the *Syndicate Proceedings*, dated the 22nd April, 1932).

2. **Randhir College, Kapurthala**, 1907, under Section 22 read with Section 21 (3) of Act VIII of 1904, in Prajna, Visharad, Shastri, Budhiman and Vidwan.

3. **Islamia College, Peshawar**, 1926, under Section 22 read with Section 21 (3) of Act VIII of 1904, in Munshi Fazil.

4. **Sanatana Dharma College, Lahore**, 1929, under Section 22 read with Section 21 (3) of Act VIII of 1904, up to the Shastri standard.

II. IN ARTS.

A. (*Up to the M.A. Standard*).

1. **Oriental College, Lahore**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in Sanskrit, Arabic and Persian.

2. **Government College, Lahore**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Sanskrit, Arabic, Philosophy, Mathematics, Physics and Chemistry, History, Economics, Psychology and Political Science.

3. **Forman Christian College, Lahore**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, History, Economics, Psychology and Political Science.

4. **D.A.-V. College, Lahore**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in Sanskrit, Economics, History and Political Science.

5. **Islamia College, Lahore**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in Arabic, Philosophy, Economics, History, Mathematics, Persian and Political Science.

6. **Khalsa College, Amritsar**, 1909, under Section 22 read with Section 21 (3) of Act VIII of 1904, in Mathematics, Economics, English and History.

7. **Mohindra College, Patiala**, 1913, under Section 22 read with Section 21 (3) of Act VIII of 1904, in Mathematics and Philosophy.

8. **S.P. College, Srinagar**, 1913, under Section 22 read with Section 21 (3) of Act VIII of 1904, in Philosophy, Mathematics and Sanskrit.

9. **Prince of Wales College, Jammu**, 1913, under Section 22 read with Section 21 (3) of Act VIII of 1904, in Economics.

10. **Dyal Singh College, Lahore**, 1916, under Section 22 read with Section 21 (3) of Act VIII of 1904, in Philosophy, Mathematics and Persian.

11. **Sanatana Dharma College, Lahore**, 1918, under Section 22 read with Section 21 (3) of Act VIII of 1904, in Sanskrit and Economics.

12. **Islamia College, Peshawar**, 1929, under Section 22 read with Section 21 (3) of Act VIII of 1904, in Mathematics.

B. (Up to the B.A. Standard).

1. **D.A.-V. College, Lahore**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Sanskrit, Persian, History, Philosophy, Chemistry, Economics, Political Science and Hindi.

2. **Oriental College, Lahore**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in Sanskrit, Arabic and Persian.

3. **Forman Christian College, Lahore**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Sanskrit, Arabic, Persian, Philosophy, Mathematics, History, Physics, Chemistry, Economics, Astronomy, Political Science, Hindi, Urdu and Panjabi.

4. **Government College, Lahore**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Sanskrit, Arabic, Persian, History, Philosophy, Mathematics, Physics and Chemistry, Botany, Zoology, Economics, Astronomy, French, Political Science, Urdu, Hindi and Panjabi.

5. **Islamia College, Lahore**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Arabic, Persian, History, Philosophy, Mathematics, Economics, Physics, Chemistry, Astronomy, Political Science and Urdu.

6. **Khalsa College, Amritsar**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Sanskrit, Arabic, Persian, History, Philosophy, Mathematics, Chemistry, Economics, Physics, Political Science, Panjabi, Urdu and Hindi.

7. **Mohindra College, Patiala**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in History, Philosophy, English, Sanskrit, Arabic, Persian, Mathematics, Economics, Political Science, Urdu, Hindi and Panjabi.

8. **Gordon College, Rawalpindi**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Sanskrit, Persian, Philosophy, History, Mathematics, Arabic, Economics, Urdu, Hindi and Panjabi.

9. **Dyal Singh College, Lahore**, 1911, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Sanskrit, Persian, Mathematics, History, Economics, Philosophy, Astronomy, Political Science, Urdu, Hindi and Panjabi.

10. **Prince of Wales College, Jammu**, 1910, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Persian, Sanskrit, Geology, Mineralogy, History, Philo-

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sophy, Economics, Physics, Chemistry, Urdu, Hindi and Panjabi.

11. **Sri Pratap College, Srinagar (Kashmir)**, 1909, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Sanskrit, Persian, History, Philosophy, Economics, Arabic, Urdu and Hindi.

12. **Edwardes College, Peshawar**, 1912, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Economics, History, Mathematics, Persian, Arabic, Sanskrit, Urdu and Hindi.

13. **Murray College, Sialkot**, 1912, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics (both courses), Philosophy, History, Persian, Arabic, Sanskrit, Economics, Philosophy, Urdu, Hindi and Panjabi.

14. **Islamia College, Peshawar**, 1913, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics (A and B Courses), Arabic, Persian, History, Economics, Philosophy and Urdu.

15. **Sanatana Dharma College, Lahore**, 1916, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Sanskrit, Persian, History, Philosophy, Economics, Political Science, Hindi and Urdu.

16. **Kinnaird College for Women, Lahore**, 1918, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, History, Philosophy, Mathematics, Economics, Sanskrit, Persian, Urdu and Hindi.

17. **The Lahore College for Women, Lahore**, 1925, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, History, Philosophy, Chemistry, Sanskrit, Persian, Urdu, Hindi and Panjabi.

18. **Sadiq-Egerton College, Bahawalpur**, 1926, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Oriental Languages, Mathematics (A and B Courses), Philosophy, History, Economics and Urdu.

19. **D.A.-V. College, Jullundur**, 1929, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics (A and B Courses), Economics, History, Sanskrit, Persian, Philosophy, Political Science, Hindi and Urdu.

20. **Ludhiana Government College, Ludhiana**, 1932, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, History, Economics, Arabic, Persian, Sanskrit, Physics, Philosophy, Urdu, Hindi and Panjabi.

21. **deMontmorency College, Shahpur**, 1932, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English,

Philosophy, Mathematics. History, Economics, Arabic, Persian, Sanskrit, Urdu, Hindi and Panjabi.

22. **Ramsukh Das College, Ferozepur**, 1932, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Philosophy, History, Economics, Sanskrit, Persian, Arabic and Vernaculars.

C. Intermediate Colleges.

1. **Oriental College, Lahore**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in Sanskrit, Arabic, Persian and English.

2. **D.A.-V. College, Lahore**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Sanskrit, Persian, History, Philosophy, Mathematics, Physics, Chemistry, Economics and French and optional papers in Hindi and Urdu.

3. **Forman Christian College, Lahore**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Sanskrit, Arabic, Persian, History, Geography, Philosophy, Mathematics, Physics and Chemistry, Biology, Latin, Economics and French and optional papers in Hindi, Urdu and Panjabi.

4. **Government College, Lahore**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Sanskrit, Arabic, Persian, History, Philosophy, Mathematics, Physics and Chemistry, Biology, Latin and French and optional papers in Hindi, Urdu and Panjabi.

5. **Islamia College, Lahore**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Arabic, Persian, History, Philosophy, Mathematics, Physics, Chemistry, Geography and Economics, and optional paper in Urdu.

6. **Khalsa College, Amritsar**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Sanskrit, Arabic, Persian, History, Philosophy, Mathematics, Physics, Chemistry and Economics, and optional papers in Urdu, Hindi and Panjabi.

7. **Gordon College, Rawalpindi**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in Arabic, English, Sanskrit, Persian, History, Philosophy, Mathematics, Physics, Chemistry, Geography and Economics, and optional papers in Urdu, Hindi, Panjabi, Pashto and Bengali.

8. **Murray College, Sialkot**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Sanskrit, Arabic, Persian, History, Mathematics, Philosophy, Physics, Chemistry, Economics and Biology, and optional papers in Urdu, Hindi and Panjabi.

9. **Edwardes College, Peshawar, 1906**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Sanskrit, Arabic, Persian, Philosophy, History, Mathematics, Economics and Geography, and optional papers in Urdu, Hindi, Panjabi and Pashto.

10. **Sadiq-Egerton College, Bahawalpur, 1906**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in Sanskrit, English, Arabic, Persian, Philosophy, Mathematics, History, Economics, Physics and Chemistry, and optional papers in Urdu and Hindi.

11. **Randhir College, Kapurthala, 1906**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Sanskrit, Arabic, Persian, History, Mathematics, Physics, Chemistry, Philosophy and Economics, and optional papers in Chemistry, English, Sanskrit, Arabic, Persian, Philosophy, Urdu, Hindi, Panjabi and French.

12. **Mohindra College, Patiala, 1906**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in History, Physics, Mathematics and Economics, and optional papers in Urdu, Hindi, Panjabi and Bengali.

13. **Sri Pratap College, Srinagar (Kashmir), 1906**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in Arabic, English, Sanskrit, Persian, History, Philosophy, Mathematics, Physics and Chemistry, Geography and Economics, and optional papers in Hindi and Urdu.

14. **Prince of Wales College, Jammu, 1908**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Sanskrit, Persian, History, Philosophy, Mathematics, Physics, Chemistry, Geology, Arabic, Geography and Economics, and optional papers in Urdu, Hindi, Panjabi and Bengali.

15. **Dyal Singh College, Lahore, 1911**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Sanskrit, Persian, Mathematics, History, Philosophy, Physics, Chemistry, Arabic, Economics, Bengali and French, and optional papers in Urdu, Hindi and Panjabi.

16. **Kinnaird College for Women, Lahore, 1913**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, History, Persian, Urdu, Hindi, Panjabi, Philosophy, Bengali, Sanskrit, Economics and French, and optional papers in Urdu, Hindi, Panjabi and Bengali.

17. **Islamia College, Peshawar, 1913**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Arabic, Persian, History, Philosophy, Physics, Chemistry and Economics, and optional papers in Urdu and Pashto.

18. **Sanatana Dharma College, Lahore**, 1916, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Sanskrit, Persian, History, Philosophy, Physics, Chemistry, Economics and Bengali and optional papers in Hindi and Urdu.

19. **D.A.-V. College, Jullundur**, 1918, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Sanskrit, Persian, Mathematics, History, Philosophy, Physics, Chemistry and Economics, and optional papers in Hindi and Urdu.

20. **D.A.-V. College, Rawalpindi**, 1920, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Sanskrit, Persian, Mathematics, History, Philosophy, Physics and Chemistry, and optional papers in Urdu, Hindi and Panjabi.

21. **Ludhiana Government College, Ludhiana**, 1920, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Sanskrit, Persian, Mathematics, History, Philosophy, Physics and Chemistry, and optional papers in Urdu, Hindi and Panjabi.

22. **Multan College, Multan**, 1920, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Sanskrit, Arabic, Persian, Mathematics, History, Philosophy, Physics, Chemistry and Geography, and optional papers in Urdu and Hindi.

23. **The Lahore College for Women, Lahore**, 1922, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, History, Philosophy, Sanskrit, Hindi, Arabic, Persian, Urdu, Physics, Chemistry and French, and optional papers in Hindi, Urdu and Panjabi.

24. **V.B. College, Dera Ismail Khan**, 1922, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, History, Philosophy, Persian, Arabic, Sanskrit, Economics, Physics and Chemistry, and optional papers in Urdu and Hindi.

25. **Ramsukh Das College, Ferozepur**, 1922, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Philosophy, History, Mathematics, Persian, Sanskrit and Arabic, and optional papers in Urdu, Hindi, Panjabi and Bengali.

26. **G.N. Khalsa College, Gujranwala**, 1923, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Philosophy, History, Sanskrit, Persian, Arabic, Physics, Chemistry and Economics, and optional papers in Urdu, Hindi and Panjabi.

27. **Hindu Sabha College, Amritsar**, 1924, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, History, Mathematics, Sanskrit, Persian, Physics, Chemistry, Philosophy and Economics, and optional papers in Urdu, Hindi and Panjabi.

28. **Government Intermediate College, Lyallpur, 1924**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, History, Philosophy, Mathematics, Persian, Arabic, Sanskrit, Physics, Chemistry and Geography, and optional papers in Urdu, Hindi and Panjabi.

29. **Government Intermediate College, Gujrat, 1924**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, History, Philosophy, Persian, Arabic, Sanskrit, Physics and Chemistry, and optional papers in Urdu, Hindi and Panjabi.

30. **Government Intermediate College, Campbellpur, 1924**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, History, Philosophy, Persian, Arabic, Sanskrit, Physics and Chemistry, and optional papers in Urdu, Hindi and Panjabi.

31. **Lawrence College, Ghoragali, 1926**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Latin, Urdu, Mathematics, History, Geography, Philosophy, Physics and Chemistry.

32. **Government Intermediate College, Jhang, 1926**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, History, Philosophy, Persian, Arabic, Sanskrit, Physics and Chemistry, and optional papers in Urdu and Hindi.

33. **Government Intermediate College, Dharamsala, 1926**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, History, Philosophy, Persian, Arabic, Sanskrit, Physics and Chemistry, and optional papers in Urdu and Hindi.

34. **Malerkotla College, Malerkotla, 1926**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Persian, Mathematics, History, Geography and Philosophy, and optional paper in Urdu.

35. **Khalsa Intermediate College, Lyallpur, 1926**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, History, Philosophy, Urdu, Persian, Panjabi, Sanskrit, Arabic, Economics, Geography, Hindi, Physics and Chemistry.

36. **Dayanand Mathradas College, Moga, 1926**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, History, Philosophy, Economics, Persian, Sanskrit, Physics and Chemistry, and optional papers in Urdu, Hindi and Panjabi.

37. **D.A.-V. Intermediate College, Hoshiarpur, 1926**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, History, Philosophy, Economics, Sanskrit, Persian, Hindi and Urdu.

38. **Government Intermediate College, Hoshiarpur, 1927**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, History, Philosophy, Persian, Arabic, Sanskrit, Physics and Chemistry, and optional papers in Urdu, Hindi and Panjabi.

39. **Government Intermediate College, Rohtak, 1927**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, History, Philosophy, Persian, Arabic, Sanskrit, Physics, Chemistry, Urdu and Hindi.

40. **Government Intermediate College, Pasrur, 1927**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, History, Philosophy, Persian, Arabic, Sanskrit, Physics and Chemistry, and in optional papers in Panjabi, Hindi and Urdu.

41. **Bishop Cotton School and Intermediate College, Simla, 1928**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, History, Geography, Latin, Urdu, Chemistry, Physics and French.

42. **deMontmorency College, Shahpur, 1929**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, History, Philosophy, Persian, Arabic, Sanskrit, Physics, Chemistry and Geography and in optional papers in Urdu and Hindi.

43. **The Lawrence Royal Military School, Sanawar, 1931**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, History, Geography and Latin, and optional paper in Urdu.

44. **Intermediate College, Quetta, 1932**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, History, Geography, Economics and Persian.

45. **The Stratford Intermediate College for Women, Amritsar, 1932**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Persian, Sanskrit, History, Mathematics, Philosophy, Hindi and Panjabi.

46. **M.A.O. Intermediate College, Amritsar, 1933**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Economics, Philosophy, History, Arabic, Persian and Urdu.

III. IN SCIENCE.

A. (*Up to the M.Sc. Standard*).

1. **Government College, Lahore, 1906**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in Mathematics, Physics and Chemistry, Botany and Zoology.

2. **Forman Christian College, Lahore**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in Mathematics and Chemistry.

3. **Prince of Wales College, Jammu**, 1913, under Section 22 read with Section 21 (3) of Act VIII of 1904, in Geology.

4. **Medical College, Lahore**, 1908, under Section 22 read with Section 21 (3) of Act VIII of 1904, in Physiology.

B. (Up to the B.Sc. Standard).

1. **D.A.-V. College, Lahore**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Astronomy, Chemistry and Physics.

2. **Forman Christian College, Lahore**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Astronomy, Physics, Chemistry and Technical Chemistry and Botany.

3. **Government College, Lahore**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Astronomy, Physics and Chemistry, Botany, Zoology and Astronomy.

4. **Khalsa College, Amritsar**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Astronomy, Chemistry, Botany and Physics.

5. **Gordon College, Rawalpindi**, 1910, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Astronomy, Botany, Chemistry and Physics.

6. **Dyal Singh College, Lahore**, 1911, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English and Astronomy.

7. **Prince of Wales College, Jammu**, 1912, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Physics and Chemistry.

8. **Islamia College, Lahore**, 1922, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Physics, Chemistry and Astronomy.

9. **Islamia College, Peshawar**, 1920, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Physics, Chemistry and Botany.

10. **Lahore College for Women, Lahore**, 1926, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Chemistry and Botany.

C. (Up to the Intermediate in Science Standard).

1. **D.A.-V. College, Lahore**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in Biology, English, Mathe-

matics, Physics and Chemistry, and optional papers in Hindi and Urdu.

2. **Forman Christian College, Lahore**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics, Chemistry and Biology, and optional papers in Urdu, Hindi and Panjabi.

3. **Government College, Lahore**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics, Chemistry and Biology, and optional papers in Hindi, Urdu and Panjabi.

4. **Khalsa College, Amritsar**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics, Chemistry, Biology and Agriculture, and optional papers in Urdu, Hindi and Panjabi.

5. **Gordon Mission College, Rawalpindi**, 1906, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics, Chemistry and Biology, and optional papers in Urdu, Hindi, Panjabi, Pashto and Bengali.

6. **Dyal Singh College, Lahore**, 1911, under Section 22 read with Section 21 (3) of Act VIII of 1904, in Mathematics, English, Physics, Chemistry, Biology and Bengali, and optional papers in Urdu, Hindi and Panjabi.

7. **Islamia College, Lahore**, 1914, under Section 22 read with Section 21 (3) of Act VIII of 1904, in Mathematics, English, Physics, Chemistry and Biology, and optional paper in Urdu.

8. **S.P. College, Srinagar**, 1916, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics, Chemistry and Biology, and optional papers in Hindi and Urdu.

9. **Lady Hardinge Medical College, New Delhi**, 1917, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Biology, Physics, Chemistry, and the Additional Test in Chemistry, and in optional papers in Hindi and Urdu.

10. **Islamia College, Peshawar**, 1917, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics, Chemistry and Biology, and optional papers in Urdu and Pashto.

11. **Randhir College, Kapurthala**, 1920, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics, Chemistry and Biology, and optional papers in Urdu, Hindi, Panjabi and French.

12. **Mohindra College, Patiala**, 1920, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathe-

matics, Physics, Chemistry and Biology, and optional papers in Urdu, Hindi, Panjabi and Bengali.

13. **Hindu Sabha College, Amritsar, 1924**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics, Chemistry and Biology, and optional papers in Urdu, Hindi and Panjabi.

14. **Government Intermediate College, Lyallpur, 1924**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics, Chemistry, Organic and Inorganic (Medical Group), and Biology, and optional papers in Urdu, Hindi and Panjabi.

15. **Murray College, Sialkot, 1925**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics, Chemistry and Biology, and optional papers in Urdu, Hindi and Panjabi.

16. **The Lahore College for Women, Lahore, 1925**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics, Chemistry and Biology, and optional papers in Hindi, Urdu, Panjabi and French.

17. **D.A.-V. College, Jullundur, 1925**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics and Chemistry, and optional papers in Hindi and Urdu.

18. **Sanatana Dharma College, Lahore, 1925**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics, Chemistry and Biology including Medical Group, and optional papers in Hindi, Urdu and Bengali.

19. **P.W. College, Jammu, 1925**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics and Chemistry, and optional papers in Urdu, Hindi, Panjabi and Bengali.

20. **Multan College, Multan, 1925**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics, Chemistry, Biology and other subjects included in the Medical Students' Group, and optional papers in Urdu and Hindi.

21. **G.N.* Khalsa College, Gujranwala, 1923**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics, Chemistry, Organic Chemistry and Biology, and optional papers in Urdu, Hindi and Panjabi.

22. **Government Intermediate College, Gujrat, 1925**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics and Chemistry, and optional papers in Urdu, Hindi and Panjabi.

23. **Government Intermediate College, Campbellpur, 1925**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics and Chemistry, and optional papers in Urdu, Hindi and Panjabi.

24. **Lawrence College, Ghoragali, 1926**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics, Chemistry, Biology and Physiology.

25. **D.A.-V. College, Rawalpindi, 1926**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics and Chemistry, and optional papers in Urdu, Hindi and Panjabi.

26. **Government Intermediate College, Jhang, 1926**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics and Chemistry, and optional papers in Urdu and Hindi.

27. **Government Intermediate College, Hoshiarpur, 1927**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics, Chemistry and Biology (both for the Medical Students' Group and otherwise), and optional papers in Urdu, Hindi and Panjabi.

28. **Ludhiana Government College, Ludhiana, 1927**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics, Chemistry and Biology, and optional papers in Urdu, Hindi and Panjabi.

29. **Government Intermediate College, Rohtak, 1927**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics, Chemistry, Biology, (both for the Medical and non-Medical Students' Group), Urdu and Hindi.

30. **Sadiq-Egerton College, Bahawalpur, 1927**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics and Chemistry, and optional papers in Urdu and Hindi.

31. **Government Intermediate College, Dharamsala, 1927**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics and Chemistry, and optional papers in Urdu and Hindi.

32. **Government Intermediate College, Pasrur, 1927**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics and Chemistry, and in optional papers in Panjabi, Hindi and Urdu.

33. **Dayanand Mathradas College, Moga, 1927**, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics and Chemistry, and optional papers in Urdu, Hindi and Panjabi.

632 INSTITUTIONS AFFILIATED TO THE UNIVERSITY.

34. **Bishop Cotton School and Intermediate College, Simla**, 1928, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Chemistry and Physics.

35. **deMontmorency College, Shahpur**, 1930, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics and Chemistry, and optional papers in Urdu and Hindi.

36. **The Lawrence Royal Military School, Sanawar**, 1931, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics and Chemistry, and optional paper in Urdu.

37. **Khalsa Intermediate College, Lyallpur**, 1931, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics and Chemistry, and optional papers in Urdu, Hindi and Panjabi.

38. **Y.B. College, Dera Ismail Khan**, 1932, under Section 22 read with Section 21 (3) of Act VIII of 1904, in English, Mathematics, Physics and Chemistry, and optional papers in Urdu and Hindi.

IV. TEACHING.

1. **Central Training College, Lahore**, 1906, under Section 21 (3) of Act VIII of 1904, in respect of the Courses of Instruction for the Degree of Bachelor of Teaching.

V. IN LAW.

1. **Law College, Lahore**, 1906, under Section 21 (3) of Act VIII of 1904, for all Examinations in Law.

VI. IN MEDICINE.

1. **Medical College, Lahore**, 1904, under Section 21 (3) of Act VIII of 1904, for all Examinations.

2. **Lady Hardinge Medical College, New Delhi**, 1917, under Section 22 read with Section 21 (3) of Act VIII of 1904, for the First, Second and Final Professional Examinations for the Degree of Bachelor of Medicine and Bachelor of Surgery.

VII. IN AGRICULTURE.

1. **Agricultural College, Lyallpur**, 1918, under Section 22 read with Section 21 (3) of Act VIII of 1904, for all the courses of the First and Final Examinations for the Degree of Bachelor of Science in Agriculture, and for Agriculture, Botany, Chemistry, Zoology and Entomology for the Degree of Master of Science in Agriculture.

2. **Khalsa College, Amritsar**, 1923, under Section 22 read with Section 21 (3) of Act VIII of 1904, for all the courses of the First and Final Examinations for the Degree of Bachelor of Science in Agriculture.

3. **Islamia College, Peshawar**, 1933, under Section 22 read with Section 21 (3) of Act VIII of 1904, for all the courses of the First Examination in Agriculture.

VIII. IN COMMERCE.

1. **Hailey College of Commerce, Lahore**, 1927, under Section 22 read with Section 21 (3) of Act VIII of 1904, in all the subjects for the First Examination in Commerce and the Bachelor of Commerce Examination.

IX. IN ENGINEERING.

1. **MacLagan Engineering College, Moghalpura**, 1931, under Section 22 read with Section 21 (3) of Act VIII of 1904, for class A only.

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*I.—ORIENTAL COLLEGE, LAHORE.

The Oriental College was established in 1870 by the Senate of the Panjab University College, and was taken over in 1882 by the Panjab University, which has since maintained it in accordance with the provisions of its Statutes.

* This institution is maintained by the University of the Panjab.

The object of the Oriental College, as reorganised in 1888, was :

(a) to impart a knowledge of the Sanskrit, Arabic and Persian Languages and Literatures on a sound basis and in accordance with historical methods, to students who wish to prepare themselves for the High Proficiency and Honours Examinations of the Panjab University for these Languages;

(b) to prepare students for the High Proficiency and Honours in Panjabi Examination of the Panjab University by imparting to them a scholarly knowledge of the history of the Panjabi Language and its Literature.

From 1884 to 1913 the Oriental College undertook the teaching of Government College classes in Oriental Language (Arts Faculty). M.A. Classes in Sanskrit and Arabic were then thrown open to students of other colleges. The higher teaching of Oriental languages (including that of the Honours School) is now organised in connection with this College, which thus forms the Oriental Department of the University. Affiliation was obtained for the Intermediate (English only) Evening class for the benefit of the holders of Vernacular and classical languages diplomas. Evening classes in Hindi (Prabhakar), Panjabi (Budhiman) and Urdu (Honours) were also started from 2nd January, 1932, and the work was distributed among the present staff.

The College is managed by the Syndicate under the control of the Senate.

The expenses for the maintenance of the College are almost entirely met by the annual allotment made in the Budget of the Panjab University.

(An abstract from the Annual College Report for the year 1933-34 will be found on pages 422 to 535 of this Calendar.)

The College moved in 1926 from the Convent Building to the new building behind the Law College. The Maynard Hall common to the two Colleges has been built to unite them. A new Hostel has been built behind the College.

The number of students on the College rolls on 31st March, 1933, was 170.

In addition to this the number of students in the Evening classes on 31st March, 1933, was 39.

STAFF.

A. C. Woolner, Esq., M.A. (Oxon).	} Principal and Professor of Sanskrit.
Muhammad Shafi, Esq., M.A. (Cantab.), M.A. (Panjab).	
Lakshman Sarup, Esq., M.A. (Panjab), D.PHIL. (Oxon) ...	} Vice-Principal and Professor of Arabic.
	Professor of Sanskrit.

M. Muhammad Iqbal, Esq., M.A. (Allahabad), PH.D. (Cantab.) ...	Professor of Persian.
Banarsi Das, Esq., M.A. (Panjab), PH.D. (Lond.) ...	Lecturer in Hindi.
M. Mahmud Shairani ...	Lecturer in Urdu.
Dr. Mohan Singh, M.A., PH.D. (Calcutta). ...	Lecturer in Panjabi and English.
Pandit Madhava Bhandari Vyakaranacharya (Queen's College, Benares), Mimansa Tirtha (Calcutta), and Sahitya Tirtha (Calcutta) ...	Head Pandit.
Pandit Hari Charan, Shastri ...	Second Pandit.
P. Nrisingh Dev, Shastri ...	Third Pandit.
P. Ram Chandra, B.A., Shastri ...	Fourth Pandit.
Maulvi Najam-ud-Din, Munshi F., Maulvi F. ...	Head Maulvi.
M. Muhammad Talha, M.A., Maulvi F., Munshi F. ...	Second Maulvi.
M. S. Aulad Husain Shadan Bilgrami, Munshi F. ...	Head Munshi.
M. Hussan-ud-Din, M.A. (Pan- jab), M.O.L., Maulvi F., Munshi F. ...	Second Munshi.
M. Nur-ul Haq, Maulvi F., Munshi F. ...	Adl. Maulvi.
S. Baldev Singh Gyani, B.A. ...	Head Panjabi Teacher.
Bhai Gulab Singh Gyani ...	Bhai (on furlough).
Lala Munshi Ram, B.A., B.T. (Panjab) ...	First English Teacher.
N. N. Mittra ...	Head Clerk.
S. Harnam Singh, F.A. (Pan- jab), Stenographer ...	Second Clerk and Typist.

*II.—LAW COLLEGE, LAHORE.

The Law College was founded in the year 1870 under the name of the Law School, with the object of imparting legal education to candidates preparing for the Mukhtarship and Pleadership Examinations. The school was converted into a college with a whole-time Principal and Staff in 1909, and

* This institution is maintained by the University of the Panjab.

prepared students for the Degree of Bachelor of Laws and First Examination in Law of the Panjab University. In 1919, two members of the Staff were whole-time, viz., the Principal, and one Law Lecturer, and six were part-time Law Readers. In 1920, another whole-time Lecturer was added to the Teaching Staff in lieu of two part-time Lecturers. The number of part-time Law Readers was increased from four to six in November, 1922, and from six to seven in November, 1923. In 1929, the number rose to ten. In 1931-32 two new classes were started, one to prepare candidates for the Examination for the Degree of Master of Laws and the other for the Examination for Diploma in Conveyancing and Deed-writing. The number of whole-time Lecturers rose to three, of which one was temporary, and of part-time Lecturers to twelve, of which two were for the LL.M. class, one for the Conveyancing class and the remaining for the F.E.L. and LL.B. classes. In October, 1932, the number of part-time Lecturers was increased from twelve to eighteen.

The management of, and supervision over, the College is vested in the Syndicate and is exercised through a Sub-Committee, consisting of the Vice-Chancellor, the Dean, three elected members of the Law Faculty and two members elected by the Syndicate.

The College is located just in front of the Senate Hall. The building was completed towards the end of 1922. A Common Hall for the Law and Oriental Colleges was added in 1926.

The number of students on the rolls of the College during 1932-33 was as follows :—

F.E.L. Class	...	...	...	494
LL.B. „	...	...	...	305
LL.M. „	...	...	...	4
Conveyancing and Deed-writing class	...	...	...	19
TOTAL				822

The Law College Journal which deals with articles on forensic subjects, was started in the Spring Session of 1921. Students are taken in tutorial groups in batches of about fifteen at a time. Law moots are held with the object of teaching students the method of arguing cases.

The staff for 1932-33 was as follows :—

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| 1. C. L. Anand, Esq., M.A. (Panj.),
LL.B. (Lond.), Bar.-at-Law. | } Principal. | |
| 2. Rahim Bakhsh, Esq., M.A., LL.B. (Panj.). | | Whole-time Law Lecturer. |
| 3. C. L. Mathur, Esq., B.Sc. (Panj.),
M.A., LL.B. (Cantab.), Bar.-at-Law. | } Whole-time Law Lecturer. | |
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| 4. Desh Raj Mahajan, Esq., M.A., LL.B. (Panj.). | } Whole-time Lecturer. (Temporary.) | } Law |
| 5. Nihal Singh, Esq., B.A., LL.B. (Panj.). | | |
| 6. Shambhu Lal Puri, Esq., B.A., LL.B. (Panj.), Bar.-at-Law. | | |
| 7. Khurshid Zaman, Esq., B.A. (All.), Bar.-at-Law. | | |
| 8. Harnam Singh, Esq., M.A., B.Sc., LL.B. (Panj.). | } Part-time Lecturers. | |
| 9. J. R. Agnihotri, Esq., M.A. (Panj.), Bar.-at-Law. | | |
| 10. R. C. Soni, Esq., M.A. (Panj.), Bar.-at-Law. | | |
| 11. Khurshid Ahmad, Esq., B.A. (Cantab.), Bar.-at-Law. | | |
| 12. P. M. Lall, Esq., M.A., LL.B. (Panj.). | | |
| 13. Mohd. Abdul Majid, Esq., M.A. (Cantab.), Bar.-at-Law. | | |
| 14. Man Singh, Esq., B.A., LL.B. (Panj.). | | |
| 15. Vishnu Datt, Esq., M.A., LL.B. (Panj.). | | |
| 16. Bhagwan Dass, Esq., B.A., LL.B. (Panj.). | | |
| 17. Nazir Hussain, Esq., B.A., LL.B. (Panj.). | | |
| 18. Abdul Qayum Malik, Esq., B.A. (All.), Bar.-at-Law. | | |
| 19. Jagan Nath Aggarwal, Esq., M.A., LL.B. (Panj.). | | |
| 20. Mehr Chand Mahajan, Esq., B.A., LL.B. (Panj.). | | |
| 21. D. C. Ralli, Esq., Bar.-at-Law. | | |
| 22. Hargopal, Esq., M.A., LL.B. (Panj.). | | |

*III.—THE HAILEY COLLEGE OF COMMERCE, LAHORE.

The College was founded in the year 1927 with the view of providing a sound commercial training to young men, who, possessing a good general education, wish to qualify themselves for posi-

* This institution is maintained by the University of the Panjab.

tions in the higher branches of commercial life. The curriculum provides for a full three years' course of preparation in all the subjects required for the Degree of Bachelor of Commerce in the University of the Panjab.

Evening Classes are held for students preparing for the First Examination under Auditors' Certificates Rules, as the College is recognised by the Government of India as one of the institutions for the preparation of candidates for the Certificate.

The College, which is controlled by the University, is managed by a Committee which represents not only academic but also industrial and commercial interests.

About 30 students are admitted each year to the Degree Course on the results of the University Intermediate Examinations in Arts and Science. The number of students attending the Degree Course is 91 and in the Evening Classes 44.

The College buildings were given by the late Sir Ganga Ram and are situated on Cust Road, facing the University Stadium, and hostel accommodation is provided in the College grounds. The playing fields are situated behind the Civil Secretariat and provision is also made for Tennis and Badminton in the grounds adjoining the hostel.

A good commercial library has been provided for the use of staff and students and this is being extended each year. A Commercial Museum is being provided in order to give students an opportunity of first-hand acquaintance with industrial and agricultural products.

The College Magazine—*The Ganga*—is published once each term during the academic year. It is devoted to a discussion of commercial and economic subjects and all matters relating to the activities of the College, its students, past and present.

The staff at present consists of :—

PRINCIPAL.

J. W. Thomas, B.COM., B.SC. Hons. (London).

PROFESSORS.

Krishan Datta, B.A. (Cantab.), Bar.-at-Law.

I. M. Kapoor, B.A. (Panjab), B.SC. (London).

Gyan Chand Bhatia, M.A. (Panjab).

Mohammad Hassan, M.A. (Panjab).

Kishen Prasada Soni, A.S.A.A., Incorporated Accountant.

Chiranjiva Lal, M.A., LL.B. (Panjab).

DRILL INSTRUCTOR.

Inder Singh

...

... P.T. Certificate.

ESTABLISHMENT.

Gyan Chand Bhatia, M.A.	
(Panjab) ...	Superintendent of Hostels.
Ganeshi Lal, M.B.B.S. (Panjab)	Medical Officer.
Hushiar Singh Bedi ...	Head Clerk.
Chuni Lal Kalhan ...	Stenographer.
Rattan Chand Manchanda ...	Librarian.

IV.—KING EDWARD MEDICAL COLLEGE, LAHORE.

Established 1860, with the object of providing education in Western Medicine for the people of the Punjab.

The new King Edward Medical College is situated in Anarkuli opposite the Nila Gumbad and consists of (a) the Patiala main block, with administrative offices, large examination hall and library, four lecture theatres, Council room, Museum and Common rooms for Professors and students; (b) the Bahawalpore Pathology-Physiology block, with Pathology department on the ground floor and the department of Physiology on the first floor—each a complete unit in itself, with lecture theatres, practical class rooms, work rooms, Museums, etc., and a room for the Hygiene department; (c) the Faridkote Anatomical block, a unit complete in itself for the efficient teaching of Anatomy; (d) the Kapurthala Materia Medica block, which also forms a complete unit for the department of Materia Medica; (e) a Cold Storage block, with associated separate Pathological and Medicolegal post-mortem theatres.

Attached to the College there are also two large hostels for College students.

Associated with the College there is the large Mayo Hospital with 422 beds for clinical instruction of students.

The College is supported by Government. The cost for 1932-33 was Rs. 4,55,186. It educates students for the degrees of M.D., M.S., and M.B.B.S., providing a full Medical Curriculum as required by the General Medical Council of Great Britain. It is under the immediate control of the Punjab Government. The following endowed Scholarships and Prizes are connected with the College :—

Grey-Bahawalpore Scholarships to the amount of Rs. 350 per annum.

Burton Brown Memorial medals in Medicine and Physiology.

Neil Memorial medals in Surgery and Anatomy.

Ewin's Memorial Medal in Mental Diseases.

Sutherland Memorial Medal in Medicine.

Beli Ram-Lamont Memorial Medal in Practical Anatomy.

Raghubir Sahai's Memorial Prize in Surgery.

Three Kapurthala prizes in Anatomy of Rs. 20 each.

Broome Memorial Gold Medal, awarded to the student standing first in Surgery.

Mackenzie Memorial Medal in Pathology.

Bott Memorial Medal in Operative Surgery.

Rankishen-Mackenzie Purse awarded to best Hindu student in third year.

The number of students at present on the rolls of the College is 439.

STAFF.

Principal	{ Lt.-Col. J. J. Harper-Nelson, O.B.E., M.C., M.B., CH.B., M.D., F.R.C.S. (Edin.), I.M.S.
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PROFESSORS.

1. Professor of Medicine	...	{ Lt.-Col. J. J. Harper-Nelson, O.B.E., M.C., M.B., CH.B., M.D., F.R.C.S. (Edin.), I.M.S.
2. Professor of Clinical Medicine	... ..	{ Lt.-Col. T. A. Hughes, M.A., M.D., B.Ch., B.A.O., D.P.H. (Dub.), M.R.C.P. (Lond.), I.M.S.
3. Professor of Surgery	...	{ Lt.-Col. P. B. Bharucha, O.B.E., D.S.O., L.M. & S. (Bombay), L.R.C.P. (Lond.), F.R.C.S. (Eng.), I.M.S.
4. Professor of Operative Surgery	... ..	{ Major V. R. Mirajkar, L.M. & S. (Bombay), L.R.C.P. (Lond.), F.R.C.S. (Eng.), I.M.S.
5. Professor of Midwifery and Diseases of Women	... ..	{ Major S. N. Hayes, F.R.C.S. (Eng.), L.R.C.P. (Lond.), I.M.S.
6. Professor of Diseases of the Eye, Ear and Throat	... ..	{ Lt.-Col. A. M. Dick, O.B.E., M.B., CH.B. (Edin.), L.R.C.P. (Lond.), F.R.C.S. (Eng.), I.M.S.
7. Professor of Pathology	{	Rai Bahadur Doctor Jiwan Lal, M.D., B.S., F.C.M.S.
8. Professor of Pharmacology and Therapeutics	{	Lt.-Col. D. H. Rai, M.A. (Edin.), M.C., M.D. (Edin.), M.R.C.P. (Lond.), I.M.S.
9. Professor of Physiology	{	Major H. S. Anand, M.B., CH.B. (Edin.), D.P.H. (Edin.), I.M.S.
10. Professor of Anatomy	{	Captain B. S. Nat, M.D., M.B., F.R.C.S., I.M.S.

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| 11. Lecturer on Mental Diseases ... | { | Major C. J. Lodge-Patch, M.C.,
L.R.C.P., L.R.C.S. (Edin.),
L.R.F.P.S. (Glas.), I.M.S. (Medical Superintendent, Punjab Mental Hospital, Lahore). |
| 12. Lecturer on Forensic Medicine ... | { | Lt.-Col. N. S. Sodhi, L.R.C.P.,
L.R.C.S. (Edin.), I.M.S. (Civil Surgeon, Lahore). |
| 13. Lecturer on Hygiene ... | { | Khan Bahadur Khwaja Abdur Rahman, M.B., CH.B. (Edin.),
D.P.H. (London), Assistant Director of Public Health, Punjab (Technical Vaccination). |
| 14. Lecturer on Dentistry | { | Doctor Peter Gillies, R.F.P.S.,
L.D.S. (Superintendent, Punjab Dental Hospital, Lahore). |
| 15. Lecturer on Infectious Diseases ... | { | Doctor B. B. Kapila, M.B., CH.B. (Edin.),
D.P.H. (Municipal Medical Officer of Health, Lahore). |
| 16. Lecturer on Radiology. | { | Doctor W. K. Coombes, I.M.D. (Officer i/c, X-Ray Dept.). |

CLINICAL ASSISTANTS AND ANÆSTHETIST.

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| 1. Medicine ... | { | Khan Sahib Doctor Yar Mohammad Khan, M.D., B.S. (Pb.),
P.C.M.S. |
| 2. Clinical Medicine ... | { | Doctor Mohammad Yusuf, M.D.,
B.S. (Pb.), P.C.M.S. |
| 3. Surgery ... | { | Doctor Ganesh Das Kapur, M.B.,
M.S. (Pb.), M.Sc. (Delhi),
F.R.C.S. (Edin.), P.C.M.S. |
| 4. Operative Surgery ... | { | Doctor Roshan Lal Khera, M.B.,
M.S. (Pb.), F.R.C.S. (Edin.),
P.C.M.S. |
| 5. Diseases of the Eye ... | { | Doctor Mulk Raj Sawhney, B.A.,
M.B., B.C. (Camb.), L.R.C.P.,
M.R.C.S. (Lond.), P.C.M.S. |
| 6. Diseases of the Ear, Throat and Nose ... | { | Khan Sahib Doctor Mohammad Bashir, D.L.O., D.O.M.S., M.B.,
B.S. (Pb.), P.C.M.S. |
| 7. Anæsthetist ... | { | Doctor K. E. Madan, M.D.,
D.O.M.S., P.C.M.S. |

ASSISTANTS TO THE PROFESSORS.

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| Anatomy ... | { | Dr. Nand Lal, L.M.S. (Pb.),
P.C.M.S. |
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Physiology	{ Dr. Lal Chand Khanna, M.B., B.S. (Pb.), P.C.M.S.
Pharmacology peutics	and	Thera-	{ Dr. Trilok Chand Nanda, PH.D. (Cantab.), M.B., B.S. (Pb.), P.C.M.S.
Pathology	...	...	{ Dr. Vishwa Nath, M.A. (Har- vard), M.D., B.S. (Pb.), F.R.C.P., D.P.H., D.T.M. & H. (Cantab.), P.C.M.S.

DEMONSTRATORS.

Anatomy	...	...	{ Dr. Jai Dev Warma, M.B., B.S. (Pb.), P.C.M.S.
			{ Dr. Fakhar-ud-Din, M.B., B.S. (Pb.), P.C.M.S.
			{ Dr. Mohamunad Abdullah, M.B., B.S. (Pb.), P.C.M.S.
			{ Dr. Amir-ud-Din, M.B., B.S. (Pb.), F.R.C.S. (Edin.), M.R.C.S. (Eng.), L.R.C.P. (Lond.), P.C.M.S.
			{ Dr. Ramzan Ali, M.B., B.S. (Pb.), P.C.M.S.
Physiology	...	...	{ Dr. Sobha Ram Puri, M.B., B.S. (Pb.), P.C.M.S.
			{ Dr. Shujaat Ali, M.D., B.S. (Pb.), P.C.M.S.
Pharmacology peutics	and	Thera-	{ Dr. Khem Singh Grewal, PH.D. (Cantab.), M.B., B.S. (Pb.), P.C.M.S.
			{ Dr. Prem Nath Suri, M.B., B.S. (Pb.), M.R.C.P. (Edin.), D.T.M. & H. (Eng.), P.C.M.S.
Pathology	...	...	{ Dr. Hakim Din, F.R.C.S. (Edin.), M.B., B.S. (Pb.), P.C.M.S.
			{ Dr. Jamiat Singh, M.D., B.S. (Pb.), D.P.H. (Edin.), F.R.C.P. (Edin.), P.C.M.S.
Head Clerk	...	...	L. Shiv Narayan.
Librarian	...	...	Pt. Bhagat Ram Sharma, B.A.

V.—LADY HARDINGE MEDICAL COLLEGE, NEW DELHI.

The Lady Hardinge Medical College was opened by Lord Hardinge on the 17th February, 1916.

It is a residential medical college staffed entirely by women, and was founded to commemorate the visit to Delhi in 1911 of the Queen Empress. Lady Hardinge took the initiative in raising funds by public subscription to meet the cost of buildings and equipment. Thirty-one lakhs of rupees in all have been given for these purposes, chiefly by the Ruling Princes and Chiefs of India. After Lady Hardinge's death in 1914, it was decided that the institution should serve as a memorial to its founder and be called by her name.

The Governing Body includes the Director-General, Indian Medical Service, the Chief Commissioner of Delhi, the Chief Engineer, Delhi Province, the Educational Commissioner with the Government of India, the Chief Medical Officer, Women's Medical Service, a representative elected by the All-India Association of Medical Women, and the Surgeon to H.E. the Viceroy. The Honorary Secretary, who is also a member of the Governing Body, is the Deputy Director-General, I.M.S. The Deputy Accountant-General, Central Revenues, acts as Honorary Treasurer.

The College and Hospital, together with hostels for 110 medical students and 76 nurses, and residences for the medical and teaching staff, occupy a site of 50 acres in New Delhi, within easy reach of the old city of Delhi.

The College buildings contain a Library, Museum, Lecture Rooms, Offices and Laboratories. Separate hostels are provided for Hindu, Moslem, Sikh and Christian students. The hospital is a fine building with accommodation for 240 in-patients and a commodious out-patients' department.

The College is supported by a grant of three and a half lakhs from the Government of India, supplemented by grants from Provincial Governments and Indian States. Students are prepared for the Intermediate Science Examination and M.B.B.S. Degree of the Panjab University, with which the College is affiliated.

MEDALS.

1. A Queen Empress Medal is awarded annually by the Council of the Countess of Dufferin Fund, to the student who passes highest in the Final Professional Examination. If she gains 75 per cent. of the aggregate number of marks, a gold medal will be awarded. Otherwise a silver medal is given.

2. A Gold Medal, presented by Diwan Bahadur Daya Kishan Kaul, C.I.E., as a memorial to the late Lady Hardinge, is

awarded annually to the student who gains most marks in the First Division of the Intermediate Science Examination (Medical Students' Group).

3. A Gold Medal, presented by H.H. the Maharaja of Benares, and known as the Lady Chelmsford Medal, is awarded annually to the student who obtains the highest place in the First Professional Examination, provided she gains 65 per cent. of the aggregate marks. Otherwise a silver medal is awarded.

SCHOLARSHIPS.

1. Three scholarships of Rs. 30 p.m. are offered annually by the Council of the Dufferin Fund, tenable for seven years, with the condition of two years' service under the Council on the holder completing the Medical Course.

2. One scholarship of Rs. 25 p.m. is offered to a student from the North-West Frontier Province with the condition that on the completion of her Medical Course the holder shall serve in the N.-W.F. Province for a period of five years.

3. Five seholarships of Rs. 30 each have been offered to Sikh students and are awarded, on the recommendation of the Principal, by Chief Khalsa Diwan of Amritsar, to whom application may be made.

4. A scholarship of Rs. 15 p.m. is offered annually by Bai Dhunibai B. Malabari to the Parsi, Hindu, or Moslem student who does the best work in Physiology.

5. A scholarship of Rs. 15 p.m. is offered annually to the most deserving student of the College, not already holding another scholarship, by the wife of the Honourable Maharaja Ranajit Sinha of Nashipur, in memory of the late Lady Hardinge.

6. A scholarship of Rs. 15 p.m. is offered by Kunvari Shri Rupali Bai, eldest daughter of the Thakur Sahib of Limbdi, for a period of five years to any student, who joins the College from the Province of Kathiawar or Gujarat.

7. Four Bursaries of Rs. 10 p.m. are offered annually, from the interest on Rs. 10,000, given by Lord Hardinge, to deserving students who have inadequate means. The students who receive these are expected to give some help to the Librarian or some other member of the College Staff.

8. The number of students on the College rolls on 31st March, 1933, was 144.

SENIOR STAFF.

ADMINISTRATIVE.

Principal	Dr. M. V. Webb, F.C.O.G., W.M.S.
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Joint Medical Superintendent	Dr. E. Wingate, M.B., B.S., W.M.S.
Vice-Principal ...	Dr. K. J. McDermott, M.B., B.S., W.M.S.
Bursar and Warden ...	Miss Amy Cryan.

MEDICAL FACULTY.

Professor of Gynæcology and Consulting Obstetrician ...	{ Dr. M. V. Webb, F.C.O.G., W.M.S.
Professor of Surgery ...	{ Dr. E. Wingate, M.B., B.S. (Lond.), M.R.C.S., L.R.C.P. (Eng.), W.M.S.
Professor of Medicine ...	{ Dr. C. Wiseman, M.B. (Calcutta), M.R.C.S., L.R.C.P. (Lond.), W.M.S.
Professor of Ophthalmology	{ Dr. R. Roulston, M.B., CH.B. (Glas.), F.R.C.S. (Edin.), D.O. (Oxon), W.M.S.
Professor of Pathology ...	{ Dr. L. Ghosh (<i>née</i> Chatterji), M.B., CH.B. (Aberdeen), D.P.H. (Cantab.), D.T.M. (Eng.), W.M.S.
Professor of Radiology ...	{ Dr. R. Rekhi, M.B., B.S. (Pan- jab), D.M.R.E. (Lond.), W.M.S.
Professor of Obstetrics ...	{ Dr. J. Thompson, M.D. (Lond.), W.M.S.
Professor of Physiology ...	{ Miss E. L. M. Surie, M.Sc. (Lond.).
Professor of Anatomy ...	{ Dr. K. J. McDermott, M.B., B.S. (Panjab), W.M.S.
Lecturer in Hygiene ...	{ Dr. L. Ghosh (<i>née</i> Chatterji), W.M.S.
Lecturer in Forensic Medicine	{ Dr. R. Young, B.Sc., M.B., CH.B. (St. Andrew's).
Lecturer in Materia Medica and Clinical Pathologist.	{ Dr. S. Shrikhande, M.B., B.S. (Bom.), D.B. (Manchester), W.M.S.

INTERMEDIATE SCIENCE DEPARTMENT.

Superintendent and Lecturer in Physics and Mathematics	Miss J. H. Ross, M.A., B.Sc. (Glas.).
Lecturer in Chemistry ...	Miss Sosheila Ram, M.A. (Cantab.).
Lecturer in Biology ...	Miss C. C. Burt, B.Sc. (Edin.).
Lecturer in English ...	Miss M. I. Ebbutt, Mod. Lang. Tripos (Cantab.), M.A. (Dublin).

VI.—CENTRAL TRAINING COLLEGE, LAHORE

The Central Training College was established in 1881, and was for some months accommodated in a building in the Hazuri Bagh. It was then located for a time in the Government College, an old building near the Senate Hall being utilized as a Practising School. It was removed to its present site in 1887. The College buildings have been considerably enlarged and extended to meet the growing demand for trained teachers in the Province. A Manual Training room has been erected at a cost of about Rs. 6,000 in which students are taught the principles of woodwork and simple metalwork, and how to construct simple pieces of apparatus. The College also possesses a fine large room, properly situated and completely equipped, for the teaching of Drawing. There is a lawn adjacent to the College for the students' games and a playing field a short distance away.

The Boarding House attached to the College has accommodation for 200 students, and all are expected to reside therein. A fine covered Swimming Bath 60 ft. by 30 ft., with a ten-foot verandah all round, has also been constructed for the use of the students.

The Central Training College is under the control of the Director of Public Instruction, Punjab, and is the only Institution in the Province which prepares students for the Senior Anglo-Vernacular Certificate for Secondary Teachers issued by the Education Department and for the B.T. Degree. Great importance is attached to physical training, games and drill. There are Gardening, Health and Hygiene and Boy Scout Clubs.

In April, 1903, the College was affiliated to the Panjab University and is the only Institution, at present, which prepares candidates for the Degree of Bachelor of Teaching. Candidates for admission to the B.T. Degree Class are required to have passed the Examination for an Arts or a Science degree before beginning the course of training. The First Examination for the B.T. Degree was held in April, 1905.

The Central Model School, the Practising School of the College, teaches up to the Matriculation Standard of the University, in both the Science and Arts Faculties as well as Post-Matric Clerical and Commercial Subjects. There are about 808 boys on the rolls.

The College is maintained entirely by Government at an annual cost of nearly one lakh.

The number of students on the College rolls on 31st March, 1933, was 134.

STAFF.

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| 1. J. E. Parkinson, Esq., M.A. | } Principal. |
| (Cantab.), DIP. ED. | |
| (Cantab.), I.E.S. | |

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| 2. | W. H. F. Armstrong, M.A. (Cantab.), F.C.S., I.E.S. ... | } Vice-Principal. |
| 3. | Mr. Madan Gopal Singh, M.A. (Panjab), B.A. (Oxon) ... | |
| 4. | Rai Sahib L. Sohan Lal, B.A., B.T. (Panjab) ... | } Professor of English. |
| 5. | | |
| | | } Lecturer in Geography. |
| 6. | L. Guranditta Mall, B.A., B.T. (Panjab) ... | |
| 7. | B. Bhagat Singh, B.A., B.T. (Panjab) ... | } Lecturer in English. |
| 8. | Mr. Harish Chandra Sahgal, M.A., B.T. (Panjab) ... | |
| 9. | L. Ghansham Dass, B.Sc. (Hons.), B.T. (Panjab) ... | } Lecturer in Mathematics. |
| 10. | M. Mohd. Munir, B.A., B.T. (Panjab), M.A. (Michigan University) ... | |
| 11. | M. Zafar Iqbal, M.A., B.T. (Panjab) ... | } Lecturer in School Method. |
| 12. | R. R. Kumria, M.A. (Panjab) ... | |
| 13. | Mr. Feroz Din, (A.C.T. Board of Education, London) ... | } Assistant Lecturer in English. |
| 14. | B. Jiwan Singh ... | |
| 15. | Pt. Vasu Dev, A.R.C.A. (London) ... | } Lecturer in Science. |
| 16. | Mr. H. W. Hogg, Adviser in Physical Education, Punjab and L. Lachman Das Verma, B.A. (Panjab), A.I. of Agriculture, are also attached to the College Staff. | |
| 17. | L. Raunqi Ram, B.A. (Panjab), S.A.V. ... | } Lecturer in History and Civics. |
| 18. | I. Jagdish Chand Bhatia, B.A. (Panjab) ... | |
| 19. | I. Haveli Ram ... | } Lecturer in Method. |
| | | |
| | | } Lecturer in Psychology. |
| | | |
| | | } Lecturer in Manual Training. |
| | | |
| | | } Instructor in Drawing and Hand-work. |
| | | |
| | | } Lecturer in Drawing. |
| | | |
| | | } Physical Training Master. |
| | | |
| | | } Librarian. |
| | | |
| | | } Lecture Assistant. |
| | | |

VII.—PUNJAB AGRICULTURAL COLLEGE, LYALLPUR.

1. The College was founded and endowed by Government in order to provide a thorough course of instruction in the sciences which have a bearing on Agriculture and also in the practice of Agriculture.

2. The main object of the College is to give such a combined and systematised course of Scientific Agriculture as will enable it to send out men who will be competent to further the progress of Agriculture in the most approved, economical and up-to-date lines either as assistants in one or other of the branches of the Agricultural Department or as managers of their own or others' estates.

3. The College is under the control of the Director of Agriculture with the advice of the Director of Public Instruction, Punjab, while the executive charge is vested in the Principal assisted by a staff of Professors and Assistant Professors, Lecturers and Demonstrators.

4. The College fees are payable quarterly or annually in advance at the option of the student, but the Principal has discretion to recover payment in arrears in any particular case if he considers that special circumstances justify his doing so. The fees fall due on 20th May.

FIRST AND SECOND YEARS.

For all Punjab students including scholarship-holders	} Rs. 72 per annum, or Rs. 18 per quarter.
For all students from Native States and other Provinces of British India including scholarship-holders ...	
	} Rs. 144 per annum, or Rs. 36 per quarter.

THIRD AND FOURTH YEARS.

For all Punjab students including scholarship-holders ...	} Rs. 144 per annum, or Rs. 36 per quarter.
For all students from Native States and other Provinces of British India including scholarship-holders ...	
	} Rs. 288 per annum, or Rs. 72 per quarter.
Fifth and Sixth Years ...	} Rs. 180 per annum, or Rs. 45 per quarter.

Tuition Fees paid in advance are not refunded, should a student leave the College. If any fees have not been paid by the day they are due, a fine of one anna a day is charged for each day of delay.

Scholarships and medals :—

- (a) Five scholarships, each of the value of Rs. 6 p.m. and tenable for two years, will be granted each year on the results of the Christmas terminal examination to first year students who are sons of cultivators or land-owners. One will be allotted to each civil division

- (b) Five scholarships, each of the value of Rs. 10 p.m. and tenable for one year, will be awarded to the first five students on the results of examinations held at the end of the first year. They can be held with other scholarships.
- (c) Ten scholarships of Rs. 12 p.m. and five of Rs. 15 p.m., all tenable for two years, will be awarded on the results of the University examination held at the end of the second year. The total number of such scholarships will not exceed one-third of the number of students in the third year class. One scholarship of Rs. 12 p.m., tenable for one year, is awarded to the student who does best in practical agriculture in the same examination.

One scholarship of Rs. 20 p.m. is awarded by the Managing Committee of the Jat Heroes' Memorial High School, Rohtak, to a Jat ex-student of that school studying in the Punjab Agricultural College, and a number of District Boards award scholarships of about Rs. 6 to Rs. 25 p.m. to deserving students of the Agricultural College.

- (d) University scholarships are tenable at the Punjab Agricultural College.
- (e) One sufficiently promising graduate of the College will be sent annually to one of the Indian Agricultural Colleges or Research Institutes for post-graduate studies for two years. During the course of training he will be in the cadre of 'A' class Agricultural Assistant (on probation) in the grade of Rs. 100—10—200—10—300. The tuition fee at the place of training will be borne by the Department.
- (f) A post-graduate scholarship of £250 per annum, tenable for two years, has been instituted by Government for the study of agriculture in foreign countries. This will be awarded to a student who has passed the B.Sc. examination in agriculture and has carried out the research work for which a scholarship mentioned in (e) above is provided.
- (g) A gold medal is awarded to the student who obtains the highest aggregate marks in the B.Sc. examination in agriculture. Another gold medal is awarded to the best graduate in the fourth year, taking account of educational, moral and athletic efficiency. A silver medal is awarded annually to the student obtaining the highest number of marks in (a) chemistry and (b) botany by rotation.
- (h) Three prizes, each of the value of Rs. 15 in the form of books, are given to the students standing first in the

house examinations in botany, zoology and chemistry respectively at the end of the first year.

A prize of the value of Rs. 25 in the form of books is given to the student standing first in the house examination in agriculture at the end of the first year.

A prize is awarded to students in a manner calculated to stimulate their interest in the College scientific and literary society, and various prizes and challenge cups for sports are annually competed for.

5. The number of students on the College rolls on 31st March, 1933, was 172.

STAFF.

Principal	{ M. Afzal Husain, JEsq., M.Sc. (Pb.), M.A. (Cantab.), I.A.S.
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AGRICULTURAL SECTION.

Professor	{ Mr. D. P. Johnston, A.R.C., SC.I., N.D.A. (<i>on leave out of India</i>). S. Labh Singh, L.A.G., B.SC. (Ag.) (Pb.), (<i>offg.</i>).
Associate Professor	...	...	{ S. Labh Singh, L.A.G., B.SC. (Ag.) (Pb.), (<i>offg. as Pro- fessor</i>). Bh. Kartar Singh, L.A.G., B.SC. (Ag.), N.D.D. (Reading) (Ag.), (<i>offg.</i>).
Assistant Professors	...	...	{ K. S. Ch. Ali Mohd., B.SC. (Ag.), L.A.G. (Pb.), acting Oil Seed Specialist, (<i>temporary</i>). Ch. Karam Rasul, B.SC. (Ag.) (Pb.), (<i>offg.</i>). Bh. Kartar Singh, L.A.G., B.SC. (Ag.), N.D.D. (Reading) (Ag.), (<i>offg. as Associate Pro- fessor</i>). M. Abdul Hamid, M.A., B.SC. (Ag.) (Glas.), COLL. DIP. AGRI. (Glas.), A.M.I.E.S. (Scot.), (<i>offg.</i>).
Teaching and Research As- sistants	...	...	{ S. Gambhir Singh, B.SC. (Ag.) (Pb.), C.D.D. (Glas.), N.D.A. (Gr. Br.). S. Arjan Singh, B.SC. (Ag.) (Pb.).

Demonstrators in charge ...	{	Mr. Prabh Dayal Sikka, L.A.G., B.Sc. (Ag.) (Pb.), M.Sc. (Ag.) (U'lah).
Agricultural Assistant in charge of Vernacular Class	{	S. Khushal Singh, B.Sc. (Ag.) (Pb.), (<i>offg.</i>).
Lecturer, Teachers' Class ...	{	Ch. Inayat Ullah, B.Sc. (Ag.) (Pb.).
	{	Ch. Sardar Mohd., B.Sc. (Ag.) (Pb.).

CHEMICAL SECTION.

Professor and Agricultural Chemist ...	{	Dr. P. E. Lander, M.A. (Cantab.), D.Sc. (Lond.), F.I.C.
Assistant Professor ...	{	S. B. Jagat Singh, B.A., M.Sc. (Pb.).
Assistant Professor ...	{	Ch. Sardar Mohd., B.Sc. (Hons.), M.Sc. (Pb.).
Demonstrator ...	{	Dr. Girdharilal, B.Sc. (Pb.), Ph.D. (Lond.), D.I.C.
Lecture Table Assistant ...	{	M. Fazal Qadir.

BOTANICAL SECTION.

Associate Professor ...	{	R. S. L. Jaichand Luthra, M.Sc., D.I.C. (London), I.A.S.
Assistant Professor ...	{	L. Chuni Lal, B.Sc. (Hons.), M.Sc. (Pb.).
Assistant Professor ...	{	Mr. Ghias-ud-din Ahmad, B.Sc. (Ag.) (Pb.), B.Sc. (Lond.), Bar-at-Law, F.R.H.S., M.R.A.S. (E.).
Teaching and Research As- sistant ...	{	S. Indar Singh, M.Sc. (Ag.) (Pb.).
Demonstrator ...	{	M. Imdad Ali Khan, B.Sc. (Ag.) (Pb.), (<i>on leave for two years</i>). Mr. P. Maya Dass, B.Sc. (Ag.) (Pb.).

ENTOMOLOGICAL SECTION.

Professor and Entomologist to Government, Punjab ...	{	M. Afzal Hussain, Esq., M.Sc. (Pb.), M.A. (Cantab.), I.A.S.
Assistant Professor ...	{	Mr. Khan A. Rahman, B.Sc. (Ag.) (Edm.), (<i>offg. as Asstt. to Entomologist</i>). L. Harman Das, M.Sc. (Pb.), (<i>offg.</i>).

Demonstrator	...	...	{	L. Harnam Das, M.Sc. (Pb.), (<i>offg. as Asstt. Professor</i>).
Teaching and Research Assistant	...	...		No substitute appointed yet in place of L. Harnam Das.
			{	Mr. Krishen Gopal Bhandari, M.Sc. (Pb.).

PHYSICS AND MATHEMATICS.

Assistant Professor	...	Bh. Balmokand, M.Sc. (Pb.).
Demonstrator	...	L. Lekh Raj, M.Sc. (Pb.).

ECONOMICS.

Assistant Professor	...	{	Pt. Jagaddhar Sharma Guleri, M.A., LL.B. (Allahabad), F.R.S.
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ENGLISH.

Assistant Professor	...	Mr. A. Das-gupta, M.A. (Pb.).
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VETERINARY SCIENCE.

Lecturer	...	L. Harjas Rai Sahgal, L.V.P.
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LAND ADMINISTRATION AND REVENUE.

Lecturer	...	{	Pandit Jagaddhar Sharma Guleri, M.A., LL.B. (Allahabad).
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AGRICULTURAL ENGINEERING AND LAND SURVEYING.

Professor	...	{	Mr. T. A. Miller Brownlie, C.E., M.I.W.E., M.I.M.
Workshop Superintendent	...		Mr. L. C. Suri.
Sub-Divisional Officer, Boring	...	{	Mr. A. S. Sidhoo B.Sc. (Ag.) (Pb.), B.ENG. (Sheffield).
Superintendent	...		L. Ishwar Das Mehra.
Senior College Clerk	...		M. Ali Ahmad.
Junior College Clerk	...		Pt. Brahma Nand.
Librarian	...		Mirza Nazir Ali Beg.
Herbarium and Museum Keeper	...	{	L. Rawal Chand.

VIII.—THE MACLAGAN ENGINEERING COLLEGE, MOGHALPURA (LAHORE).

The MacLagan Engineering College, formerly known as the Moghalpura Technical College, was started in October, 1923. It was founded with the object of providing efficient theoretical and practical training for young men intending to follow the profession of engineering. It is a Government Institution under the control of the Chief Engineer, Punjab P.W.D., Buildings and Roads Branch, and has been affiliated to the Panjab University with effect from 1931. The curriculum provides for a full three years' course of preparation in all the subjects required for the Degree of Bachelor of Science (Engineering) in the University of the Panjab. The total number of students on the rolls of the College on 31st March, 1933, was :—

“ A ” Class (affiliated to the University) ... 60

“ B ” Class (not affiliated to the University) 190

The College buildings are situated in some 30 acres of ground on the north side of the Grand Trunk Road, within 10 minutes' walk of the North-Western Railway Locomotive, Carriage and Wagon shops, and the Electric Power House.

The main block is in the centre of the College grounds. In addition to numerous lecture theatres and class rooms, it contains :—

A Chemical Laboratory, a Physics Laboratory, an Applied Mechanics Laboratory, a Heat Engines Laboratory, a Strength of Materials Testing Laboratory, an Electrical Engineering Laboratory and a commodious library. Special buildings include a workshop, a storage battery house, and a Suction Gas Production House. The extensive grounds of the College are divided into lawns, gardens, playing fields, tennis courts, etc.

The College is a residential institution and all students except Europeans and Anglo-Indians must, as a rule, live in the Hostel provided for them. Admission is by an open competitive examination to candidates who have passed the Intermediate Examination of the Panjab University or its equivalent.

STAFF.

Capt. H. Whittaker (late R.E.),	} Principal.
B.SC. (London), A.R.C.SC.,	
A.M.I.MECH.E., A.M.I.INST.C.E.,	
A.M.I.E.E., Mem. Soc. Ing.	
Civ. de France.	

DEPARTMENT OF PHYSICS AND CHEMISTRY.

S. D. Muzaffar, M.A., M.SC.	} Professor.
(Pb.), PH.D. (Cantab.),	

Mr. S. J. Kohli, M.Sc. (Pb.), PH.D. (London), D.I.C., A.M.I.CHEM.E.	}	Assistant Professor.
Syed Qazim Hussain, B.Sc. (Pb.).		
Mr. Isaac Daniel	}	Demonstrator in Chemistry.

DEPARTMENT OF MATHEMATICS AND APPLIED MECHANICS.

Mr. Ram Gopal, M.A. (Pb.) ...	}	Assistant Professor of Mathematics.
Mr. Baij Nath, B.A. (Pb.) ...		Assistant Professor of Applied Mechanics.
Mr. Kundan Lal, M.A. (Pb.) ...	}	Demonstrator.
Mr. Jalal Din	}	Lecture Assistant.

DEPARTMENT OF MECHANICAL ENGINEERING.

William Berry, Assoc. Man. Coll. of Tech. (Hons., Bd. of Ed.).	}	Professor.
Mr. Kirpal Singh, B.Sc. (Lond.), A.M.INST.C.E., A.M.I.MECH.E., A.C.G.I., D.I.C., A.M.A.M.SOC.C.E.		
Mr. S. S. Bhatia, B.Sc., B.T. (Pb.), B.ENG. (Sheffield), A.I.MECH.E.	}	Assistant Professor.
Mr. Tara Singh, Randhawa, M. & E.E. (Roorkee), A.M.I.E.E.		
Mr. D. N. Banwet, B.A., B.Sc. (Purdue, U.S.A.), A.M.A.S.M.E., A.A.I.E.E.	}	Lecturers.
Mr. Jalal Dean, D.F.H. (Lond.), A.M.TECH.I.		
Mr. J. N. Bhatnagar, I.M.E. (B.H.U.), A.M.A.S.M.E.	}	Demonstrators.
Mr. C. L. Chopra, I.M.E. (B.H.U.).		
Mr. Lehna Singh	}	Lecture Assistants, etc.
Mr. Rahmat Ali		

DEPARTMENT OF ELECTRICAL ENGINEERING.

T. H. Matthewman, M.ENG. (Liverpool), M.I.E.E.	}	Professor.
S. P. Ganguly, M.E. (B.T.I.) (Cal.), E.E. (B.T.I.) (Cal.), M.A.E.		

Harchand Singh, B.A., M.Sc. (Ph.), Ph.D. (London), D.L.C., A.Inst.P., F.P.S.L.	} Assistant Professor of Physics.
Mr. Siddiqi Mohammad Omar, A.M.I.E.E., M. & E.E., D.F.H. (London).	
Mr. Sri Charan Dass, B.Sc. (Engg.) (B.H.U.), GRAD.I.E.E.	} Head Lecture Assistant.
Mr. Ghulam Ali	
	Lecture Assistant.

IX.—GOVERNMENT COLLEGE, LAHORE.

The College was opened on the 1st of January, 1864. The present building was begun in 1872 and completed in 1877. It is affiliated to the Panjab University, and provides instruction as follows :—

For the M.A. Examination in English, Sanskrit, Arabic, Persian, History, Economics, Philosophy, Psychology, Mathematics and Political Science.

For the M.Sc. in Physics.

Students are admitted to Honours Schools and M.Sc. classes in Botany, Chemistry, Technical Chemistry and Zoology.

For the B.A. and B.Sc. Examinations in English, Sanskrit, Arabic, Persian, History, Economics, Philosophy, A and B Courses of Mathematics, Physics, Chemistry, Botany, Zoology, Political Science, French, Urdu, Hindi and Panjabi, including Honours classes.

For the Intermediate Examination the College is affiliated in English, Sanskrit, Arabic, Persian, Urdu, Hindi, Panjabi, History, Philosophy, Mathematics, Biology, Physics, Chemistry and French.

The College buildings comprise (1) the main building in which is situated the College Hall, 10 large lecture rooms, offices, a library including a reading room, two rooms for seminar work, the Stephenson Vernacular Library, and some smaller rooms; (2) the Chemistry Laboratory with 2 lecture rooms, 4 large practical rooms, and numerous smaller rooms; (3) the Biology Laboratory with 2 lecture rooms, 6 large practical rooms, a zoological museum, a botanical museum and various other rooms; (4) the Physics Laboratory with 3 lecture rooms, 6 practical rooms, apparatus room, workshop, etc. Provision for the teaching of Experimental Psychology has also been made in the Physics Laboratory; (5) a Gymnasium, fully fitted; (6) a large covered swimming bath; (7) residences for the Principal and 4 Professors.

The Quadrangle or old Hostel has 101 cubicles and 22 dormitories, a common room, superintendent's quarters, 5 kitchens and 3 dining rooms and accommodates 181 boarders. The new Hostel has 10 special suites of 2 rooms, 77 cubicles and 38 dormitories, accommodating 197 boarders, also a common room, and married quarters for Superintendent. There are 6 bath rooms and 6 latrines with modern sanitation and 3 dining rooms. A tube well, 275 feet deep, provides water for both hostels as well as for the laboratories, etc.

FEEs.

The tuition fees payable are given below. The Principal has power to remit half of the fee in the case of a limited number of poor students.

An additional fee of Rs. 2 p.m. is charged from students taking up Honours subjects in their B.A. Classes.

	Rs.
Intermediate Classes (24 months) ...	12
B.A. and B.Sc. Pass Classes (24 months) ...	15
M.A. and M.Sc. (Ordinary) Classes (24 months) ...	20
Honours Schools First and Second years (24 months) ...	16
Honours School Third year (12 months) ...	20
M.Sc. (12 months) ...	25

FROM SCIENCE STUDENTS.

Towards cost of Science material and breakages—

	<i>Per mensem.</i>		
	Rs.	A.	P.
<i>Intermediate Classes—</i>			
Students taking Physics ...	0	12	0
Students taking Chemistry ...	0	12	0
Students taking Biology ...	1	0	0
<i>B.A. and B.Sc. Classes—</i>			
Students taking experimental Psychology ...	1	0	0
Students taking any other Science subject ...	1	12	0
<i>M.A. and M.Sc. Classes—</i>			
Students taking experimental Psychology ...	1	12	0
Students taking any other Science subject :—			
First year ...	2	8	0
Second year ...	3	8	0

The number of students on the College rolls on 31st March, 1933, was 1,012.

STAFF.

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|--|---|--|
| 1. H. L. O. Garrett, M.A.
(Cantab.), F.R.HIST.S. | { | Principal and Professor of
History, Lt.-Col. Com-
manding 4th (Panjab)
University Training Corps. |
| 2. H. B. Dunnicliff, M.A.
(Cantab.), M.A., SC.D.
(Dub.), F.I.C. | | Vice-Principal and Professor
of Chemistry (University
Professor of Inorganic
Chemistry), Chemical Ad-
viser to the Central Board
of Revenue, Finance Dept.,
Government of India. |
| 3. G. D. Sondhi, B.A.
(Cantab.), M.A. (Panj.),
Bar.-at-Law. | { | Professor of Economics. |
| 4. G. Matthai, M.A. (Cantab.),
SC.D. (Cantab.), F.Z.S.,
F.L.S., F.R.S.E. | | Professor of Zoology (Uni-
versity Professor of
Zoology), Warden, "New
Hostel." |
| 5. G. C. Chatterji, B.A.
(Cantab.), M.A. (Panj.). | { | Professor of Philosophy. |
| 6. Rai Bahadur Shiv Ram
Kashyap, B.A. (Cantab.),
M.SC. (Panj.). | | Professor of Botany (Uni-
versity Professor of Bot-
any). |
| 7. J. B. Seth, B.SC. (Allaha-
bad), M.A. (Cantab.). | { | Professor of Physics. |
| 8. A. S. Hett, M.A. (Oxon) ... | | Professor of English. |
| 9. E. C. Dickinson, M.A.
(Oxon). | { | Professor of English. |
| 10. Mukand Lal, M.A. ... | | Offg. Professor of Mathema-
tics. |
| 11. A. S. Bokhari, M.A. (Panj.),
B.A. (Cantab.). | { | Professor of English. |
| 12. Gulbahar Singh, M.A., LL.B.
(Panj.). | | Lecturer in Sanskrit. |
| 13. Muhammad Sadr-ud-Din,
M.A., D.LITT. (Panj.). | { | Lecturer in Arabic. |
| 14. Fazl-i-Haqq, M.A. (Panj.),
Muunshi Fazil (Panj.). | | Lecturer in Persian. |
| 15. Vishwa Nath, PH.D.
(Cantab.), M.SC. (Panj.),
F.R.M.S. | { | Lecturer in Zoology. |
| 16. S. L. Ghose, M.SC. (Panj.),
PH.D. (Cantab.), F.L.S. | | Lecturer in Botany. |
| 17. Amolak Ram, M.A. (Panj.
and Cantab.). | { | Offg. Professor of History. |
| 18. Ahmad Husain, M.A. ... | | Lecturer in Philosophy. |

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|--|--|
| 19. Mahan Singh, M.Sc. (Panj.) | Lecturer in Chemistry. |
| 20. Muhammad Aslam, M.A. (Panj.), B.A. (Cantab.) | Lecturer in Psychology. |
| 21. Gulshan Lal Chopra, M.A. (Panj.), Ph.D. (London), Bar.-at-Law. | Lecturer in English and History. |
| 22. Vidya Chandra, M.A. (Panj.) | Lecturer in Mathematics. |
| 23. Bhagwan Das Chhabra, M.Sc. (Pb.), LL.B. (Delhi). | Lecturer in Physics. |
| 24. Harish Chandra, M.A. (Panjab). | Lecturer in English. |
| 25. Trilochan Singh, B.A. (Panj.), Ph.D. (London), Bar.-at-Law. | Lecturer in Economics. |
| 26. N. C. Daruwala, M.A. ... | Lecturer in History. |
| 27. P. K. Kichlu, M.Sc., D.Sc. (Allahabad). | Lecturer in Physics. |
| 28. S. A. Hamid, M.A. (Alig.), B.A. (Cantab.). | Offg. Lecturer in Mathematics. |
| 29. Bafwant Singh, M.Sc. (Panj.). | Lecturer in Chemistry. |
| 30. Karim Bakhsh, M.A., Munshi Fazil (Panj.). | Lecturer in Arabic and Urdu. |
| 31. Shiv Narain Sahgal, M.A. (Pb.). | Lecturer in Mathematics. |
| 32. Fazal Ahinad Airem, M.A. (Alig.). | Offg. Lecturer in English. |
| 33. Mohd. Jamil Wasti, M.A. (Pb. and Delhi). | Lecturer in English. |
| 34. Siraj Din, M.A. (Pb.), B.Litt. (Oxon). | Lecturer in English. |
| 35. Gauri Shankar, M.A. (Panj.) | Lecturer in Sanskrit, Hindi and Panjabi, (on leave). |
| 36. Duni Chandra, M.A. (Panj.) | Lecturer in Sanskrit, Hindi and Panjabi. |
| 37. Sufi Ghulam Mustafa, M.A. (Panj.). | Addl. Lecturer in Persian. |
| 38. Gian Chand, M.Sc. (Panj.) | Demonstrator in Physics. |
| 39. Bhagat Ram Vasisht, M.Sc. (Panj.). | Demonstrator in Botany. |
| 40. Sardar Mohammad, M.Sc. (Panj.). | Demonstrator in Chemistry. |
| 41. Dev Raj Puri, M.Sc. (Panj.) | Demonstrator in Zoology. |
| 42. R.S. M. L. Rikhye, M.D.B.S. (Panj.), M.B.B.S. | Medical Officer. |
| 43. Amolak Ram Khanna, M.A. (Panj. and Cantab.). | Senior Hostel Superintendent. |
| 44. S. Lal Shah Bokhari, M.A. (Panj.). | Junior Hostel Superintendent. |

45. Abnashi Ram Talwar, B.A. (Panj.).	} Librarian.
46. Milkhi Ram, B.Sc., S.A.V. & P.T. (Panj.).	
47. Feroze-ud-Din ...	Gymnastic Instructor.
48. Shaikh Bashir Ahmed ...	Head Clerk.
49. Roshan Lal Chowla ...	Second Clerk.
50. Ghulam Ahmad ...	Third Clerk.
51. Kirpal Singh ...	Fourth Clerk.
52. Uttam Chand Sardena ...	Fifth Clerk.
53. Shaikh Sultan Ali ...	Sixth Clerk.
54. Shaikh Muhammad Sharif	Stenographer.

X.—FORMAN CHRISTIAN COLLEGE, LAHORE.

1. This institution was established in the year 1866, and during that and the three following years furnished instruction to students preparing for the F.A. and B.A. Examinations of the Calcutta University. At the close of this period, owing chiefly to the death of Mr. Henry, the Principal, the work of the College was suspended. In 1886 the classes were again re-opened, in 1888 the first candidates from the institution appeared in the Intermediate and in 1890 the first in the B.A. Examination of the Panjab University.

2. The College buildings, situated on Roberts' Road, were opened in the year 1889 by His Excellency the Marquess of Lansdowne, Viceroy and Governor-General of India. The site on which they stand was secured through the help of the Punjab Government, which also gave a building grant of Rs. 20,000. The buildings now existing are: (1) A main building, with Hall, Offices and Lecture-rooms, capable of accommodating 800 students; (2) Library and Seminar rooms; (3) Kennedy Hall for Christian students; (4) Newton Hall on Napier Road; (5) The Principal's House; (6) The Chatterjee Science Building; (7) "The Abbey"; (8) Ewing Hall; (9) The Jas. M. Speers Chemistry Building; (10) Princeton Lodge; (11) Velte Hostel. The cost of these buildings has been approximately Rs. 6,40,000. The College now possesses 14 acres of land in the very heart of Lahore. Proposals have been made to transfer the College to a new site of 150 acres which has been acquired at Ichra in the suburbs of the city.

3. The College is an aided institution and conforms to the Government regulations as to attendance and fees. It is under the general supervision of the Punjab Mission of the Presbyterian Church in the United States of America and of the Indus River

Conference of the American Methodist Episcopal Church, and is controlled by a Board of Directors to whom important powers have been delegated.

4. A number of the students of this College are recipients of Government, University, Military or Municipal Scholarships. The College grants a number of prize scholarships in the various subjects of study. Boarding House accommodation is provided for 420 students in the hostels on and near the College premises.

Students are prepared for the Intermediate, B.A., B.Sc., M.A. and M.Sc. Examinations of the Panjab University. The number of students enrolled in six classes is (31st March, 1933) 1,146, of whom 696 are Hindus, 235 Muhammadans, 124 Sikhs, 88 Christians and 3 Parsis.

STAFF.

1. S. K. Datta, B.A. (Panjab), M.B., CH.B. } Principal.
(Edinburgh).
2. E. D. Lucas, PH.D. } Vice-Principal.
(Columbia), D.D.
3. H. A. Whitlock, B.A. ... Bursar.

LECTURERS.

English	...	...	F. M. Velte, PH.D. (Princeton).
			W. S. John, M.A. (Panjab).
			E. J. Sinclair, M.A. (Panjab).
			A. D. Daniel, M.A., F.T. (Panjab).
			M. S. Bhatti, M.A. (Panjab).
			W. A. Shah, M.A. (Allahabad).
			S. Mathai, M.A. (Bombay).
			S. L. Sheets, M.A. (Harvard).
			A. M. Khan, M.A. (Panjab).
			Ross Wilson, M.A. (Chicago).
History	...	...	J. B. Weir, M.A. (Pittsburgh), (on furlough).
			R. Siraj-ud-Din, B.A. (Panjab).
			C. J. Chacko, M.A., PH.D. (Columbia).
			Barkat Ram Kalia, M.A. (Panjab).
			E. D. Lucas, PH.D. (Columbia), D.D.
Economics	...	...	I. Durga Parshad, M.A. (Panjab), PH.D. (London).
			W. A. Shah, M.A. (Allahabad).

Mathematics	...	...	{ S. N. Dass Gupta, M.A. (Calcutta). P. Samuels Lall, M.A. (Panjab and Princeton), F.R.A.S. Mehr Chand Suri, M.A. (Panjab). Babu Lal, M.A. (Panjab).
Astronomy	...	..	{ P. Samuels Lall, M.A. (Panjab and Princeton), F.R.A.S.
Philosophy	...	..	{ I. Latif, M.A. (Panjab), PH.D. (Princeton). B. C. Harrington, M.A. (Columbia). R. Siraj-ud-Din, B.A. (Panjab). M. R. Ahrens, M.A. (Chicago), D.D. Pars Ram, M.A. (Calcutta). Banwari Lal Kapur, M.A. (Panjab).
Geography	..		{ E. T. Dean, M.SC. (Panjab) W. A. Shah, M.A. (Allahabad). B. R. Kalia, M.A. (Panjab).
Languages	.	...	{ Mohd. Ismail, M.A. (Persian and Arabic) (Panjab and Allahabad). Rev. S. M. Paul, Mulla, (Arabic) (Allahabad). Saran Das Bhanot, M.A. (Panjab). Malik Inayat Ullah, M.F. (Persian) (Panjab). Madame Ihsan Ullah, (French).
Physics	...	...	{ J. M. Benade, M.A. (Princeton). Mela Ram, M.SC. (Panjab). Mukand Lal, M.A. (Panjab). K. N. Dutt, B.A. (Hons.) (Cantab.).
Chemistry	...	...	{ N. A. Yajnik, M.A. (Bombay). A.I.C. E. T. Dean, M.SC. (Panjab). P. N. Mehra, M.SC. (Panjab). D. N. Goyle, D.SC. (Panjab). Mahesh Datt, M.SC. (Panjab). M. L. Joshi, M.SC. (Panjab).

Technical Chemistry Honours School (University Department).	{	P. C. Speers, B.Sc. (Princeton), <i>Director.</i>
		N. A. Yajnik, M.A. (Bombay), A.I.C.
		E. T. Dean, M.Sc. (Panjab).
		K. Venkataraman, M.A. (Madras), M.Sc. Tech., Ph.D. (Manchester), F.I.C.
		M. L. Joshi, M.Sc. (Panjab).
		Ishwar Singh, B.Sc. (Panjab).
		D. N. Goyle, D.Sc. (Panjab).
		Mahesh Datt, M.Sc. (Panjab).
		J. M. Benade, M.A. (Princeton).
		I. Durga Parshad, M.A. (Panj.), Ph.D. (London).
		D. R. Dhingra, M.Sc. (Panjab), Ph.D. (Liverpool).
		<i>Outside Lecturers.</i>
		Mehr Chand, M.Sc. (D.A.-V. College).
		S. R. Khosla, A.M.S.T., F.C.S. (Govt. Dyeing School).
Biology	{	Principal, MacLagan Engineering College.
		Mehr Chand Sethi, M.Sc. (Panjab).
		Ram Parshad Shourie, M.Sc. (Panjab).
		Jagan Nath, M.Sc. (Panjab).
Director of Physical Education.	{	Gian Chand Soni, B.Sc. (Panjab).
Asstt. Director of Physical Education.	{	Vishwa Nath, M.A. (Harvard), M.D. (Panjab), F.R.C.P.I., D.P.H., D.T.M. & H. (Cantab.).
Medical Director	{	Isaac R. Nath, M.B., B.S. (Panjab).
Resident Doctor	{	

XI.—DAYANAND ANGLO-VEDIC COLLEGE, LAHORE.

1. The Dayanand Anglo-Vedic College (School Department) was opened on 1st June, 1886. The 1st and 2nd year classes were opened in May, 1888 and 1889, the 3rd and 4th year classes in the beginning of 1893 and 1894, the M.A. class in Sanskrit in 1895, M.A. in Economics in 1920 and M.A. in History and Political Science in 1932.

The College was established in honour of Shri Swami Dayanand Saraswati, the founder of the Arya Samaj, with the following objects :—

- (a) To encourage, improve and enforce the study of Hindi Literature.
- (b) To encourage and enforce the study of Classical Sanskrit and of the Vedas.
- (c) To encourage and enforce the study of English Literature and Sciences, both theoretical and applied.
- (d) To provide for technical education in the country.

2. The College is located on the College Road outside the crowded city of Lahore near the District Courts and Gol Bagh.

3. The amount of endowment for the maintenance of the Institutions, at present in the hands of the Managing Committee, on 31st March, 1933, is Rs. 30,59,953-11-2.

4. The Dayanand Anglo-Vedic College prepares boys for the Intermediate, B.A., F.Sc., B.Sc., and M.A. Examinations. It teaches English, Sanskrit, Persian, French, Economics, History, Political Science, Mathematics, Philosophy, Physics, Chemistry and Biology.

5. The Governing Body of the Institution is the Managing Committee which consists of 89 members.

6. Fifty-eight special scholarships are awarded to the students of the College.

7. The number of students on the College rolls on 31st March, 1933, was 1,180.

STAFF.

Bakhshi Ram Rattan, B.A. (Panjab), B.T. (Panjab), *Principal*.
L. Mehr Chand, M.Sc. (Panjab and Boston Tech.), *Vice-Principal*.

PROFESSORS AND LECTURERS.

English	...	..	H. K. Bhattacharya, Esq., M.A. (Cal.).
			Pt. Diwan Chand Sharma, M.A. (Cal.).
			M. N. Zutshi, Esq., M.A. (Panjab).
			Lala Lal Chand, M.A. (Panjab).
			Lala Munshi Ram, M.A. (Panjab).
			Lala Sant Ram Sayal, M.A. (Panjab).
			R. L. Mehta, Esq., M.A. (Panjab).
			Four lecturers in Composition from October to March.

Mathematics	...	...	{ Lala Devi Dyal, B.A. (Panjab). K. M. Ghosh, Esq., M.A. (Cal.). Malik Hukam Chand Malhotra, M.A. (Panjab).
Philosophy	...	...	{ Pandit Bahadur Mal, M.A. (Eng- lish and Philosophy) (Panjab). B. L. Kapur, Esq., M.A. (English and Philosophy).
Chemistry	...	...	{ L. Mehr Chand, M.Sc. (Panjab and Boston Tech.). L. Hukam Chand Mahajan, M.Sc. (Panjab). L. Mela Ram Sud, M.Sc. (Panjab). L. Bimal Das Jain, M.Sc. (Panjab). L. Niranjan Nath Sarin, M.Sc. (Panjab).
Physics	...	...	{ Doctor Goverdhan Lal Datta, M.Sc. (Cal.), Ph.D. (Gottingen). Pt. H. G. Kalia, M.Sc. (Panjab). L. Daulat Ram Khanna, M.Sc. (Panjab). L. Girdhari Lal Puri, M.Sc. (Panjab).
Biology	...	...	{ Mr. Bhoo Mittra, B.Sc. (Panjab). Bakhshi Raghunath Sahai, M.Sc. (Panjab).
Economics	...	...	{ Raizada Amar Nath Bali, M.A. (Cal.). Radha Krishna Seth, Esq., M.A. (Pb.), F.R.E.S. (London).
History	...	...	{ Pandit Sri Ram Sharma, M.A. (Delhi), F.R.HIST.S. (London). Radha Krishna Seth, Esq., M.A. (Pb.), F.R.E.S. (London). K. L. Verma, Esq., M.A., LL.B. (Allahabad). <i>Vacant.</i>
Political Science	...	...	{ Pandit Sri Ram Sharma, M.A. (Delhi), F.R.HIST.S. (London). K. L. Verma, Esq., M.A., LL.B. (Allahabad).
Sanskrit	...	...	{ M. K. Sircar, Esq., M.A. (Cal. and Dacca). Pt. Charu Dev Shastri, M.A., M.O.L. (Panjab). L. Parma Nand Shastri, M.A., M.O.L. (Panjab).

Classical Sanskrit and Vedic Theology.			{	Pt. Bhagwad Datt, B.A. (Panjab).
			{	Pt. Raja Ram.
Hindi	...	...	{	Pt. Surya Kanta Shastri, M.A., M.O.L. (Panjab).
			{	Pt. Gian Chand, Honours in Hindi (Panjab).
Persian	...	...	{	Maulvi Miran Bakhsh, Maulvi Alim.
			{	L. Sant Lal, M.A. (Panjab).
French	...	...		Madam A. Makeef.
Librarian	...	...		L. Parma Nand, Shastri, M.A., M.O.L. (Panjab).
Assistant Librarian				L. Ram Kishan.
Head Clerk	...	...		L. Daulat Ram.
Cashier	...	...		L. Roshan Lal.
Accounts Clerk	...	...		L. Tirath Ram Nirula.
Stenographer	...	...		L. Rattan Lal Kapur.
Clerk	...	...		Pt. Ramji Das Sharma.

HEALTH AND PHYSICAL EDUCATION.

Director of Physical Education.			{	Ram Dyal Bhalla, Esq., M.Sc. (Lucknow).
Assistant Director of Physical Education.			{	L. Tulsi Ram.
Medical Inspector	...		{	Dr. Mohan Lal Kapur, M.B., B.S. (Panjab).
Boarding House Medical Adviser.			{	Dr. Vaishno Das Kashyap. M.B., B.S. (Panjab).
Boarding House Superintendent.			{	L. Tej Bhan, B.A., LL.B.
Boarding House Assistant Superintendent.			{	L. Prithvi Raj Ahuja, B.A.
Compounder	...			L. Sarn Singh.
Gymnastic Instructor	...			L. Tulsi Ram.
Wrestling Instructor	...			Pt. Amar Nath.
Gatka Instructor	...			L. Hari Paul.
Boxing Instructor	...			D. W. Phillips, Esq.
Swimming Instructor	...			Robin Chatterji, Esq., B.A.
Drill Sergeant	...			Sgt. W. Wright.

XII.—THE ISLAMIA COLLEGE, LAHORE.

This College, the only Muslim College in the Province, was established by the Anjuman-i-Himayat-i-Islam, Lahore, with the object of providing young Muslims with higher Western education accompanied by moral and religious instruction. As it is specially intended for the sons of poor parents, the fees charged are low.

The College was founded in 1892, and was confined to Intermediate classes up to 1900, when B.A. classes were introduced. In 1905 arrangements were made for teaching Arabic up to the M.A. standard, and in 1914 for Persian. In 1922 B.Sc. classes in Physics and Chemistry and B.A. in Astronomy were started. The subjects now taught in the F.A. and F.Sc. classes are: English, Mathematics, Economics, Philosophy, History, Physics and Chemistry, Arabic and Persian, and Biology. The subjects taught in the B.A. classes are: English, History, Economics, Philosophy, Applied Mathematics, Pure Mathematics, Arabic and Persian, Physics and Chemistry, Astronomy and Political Science. For the M.A., Arabic, Persian, History, Mathematics, Philosophy, Economics and Political Science. Biology classes were started in September, 1914, for the F.Sc. Examination. B.Sc. classes were started in 1922. Besides these University subjects, religious instruction is given to all students.

The College is under the general management of a Committee (of which the Principal is an *ex-officio* member), which is a Sub-Committee of the General Council of the Anjuman-i-Himayat-i-Islam.

The main College building consists of the Habibia Hall flanked by two long wings containing class-rooms and the Physical and Chemical laboratories. An upper storey provides 13 more class-rooms and the Biological laboratories. The laboratories are provided with gas and electric light and water is laid on. There is a well-equipped Library and Reading Room on the second storey. The Gymnasium forms a separate block near the Tennis Lawns.

There are three hostels belonging to the College, and arrangements are being made for further accommodation.

There is a regular College Dispensary which meets the medical requirements of the students efficiently.

Although the playing fields are limited, provision is made for the usual games and the College teams have given a good account of themselves in the University tournaments.

Special arrangements are being made to help and supervise students in their work, and professors visit the hostels for the purpose, and also hold seminar sittings.

The number of students on the College rolls on 31st March, 1933, was 985.

STAFF.

Principal	...	...	{ Dr. B. A. Kuraishi, M.A., PH.D. (Berlin).
			{ M. A. Ghani, M.A. (Pj.), F.P.U. M. D. Taseer, Esq., M.A. (Pj.). Abdul Wahid, Esq., M.A., B.T. (Pj.).
English	...	...	{ Sardar U. Kramet, M.A. (Can- tab.). M. Ghulam Husain, M.A. (Pj.). Malik Habibullah, M.A. (Pj.). Mr. Fayyaz Mahmud, M.A. (Pj.). Khawaja Dil Mohammad, M.A., F.P.U. (Pj.).
Mathematics	...	...	{ Sh. Nasir-ud-Din, M.A. (Pj.). Mr. Ghulam Rasul, M.Sc. (Pj.), Additional Lecturer.
History	...	...	{ Dr. B. A. Kuraishi, M.A., PH.D. (Berlin). Sayad Abdul Qadir, M.A. (Pj.). M. Ghulam Husain, M.A. (Pj.).
Political Science	...	...	{ Dr. B. A. Kuraishi, M.A., PH.D. (Berlin). M. Ghulam Husain, M.A. (Pj.).
Philosophy	...	...	{ Dr. Saidullah, M.A., PH.D. (Munich), D.Sc. (Lond.), M.B.P.S. Malik Habibullah, M.A. (Pj.).
Economics	...	...	{ Sardar U. Kramet, M.A. (Can- tab.). M. Ghulam Husain, M.A. (Pj.).
Arabic	...	...	{ Dr. B. A. Kuraishi, M.A., PH.D. (Berlin). M. A. Basit, M.A., LL.B., F.M.U. (Alig.). Q. Zahir-ud-Din, M.A. (Pj.). Maulvi Mohammad Umar Khan, H.A., H.P. (Pj.).
Persian	...	...	{ Mr. Ilm-ud-Din Salik, M.A., H.P. (Pj.). Q. Zahir-ud-Din, M.A. (Pj.). M. A. Basit, M.A., LL.B., F.M.U. (Alig.).
Urdu	...	...	{ Mr. Ilm-ud-Din Salik, M.A., H.P. (Pj.). Q. Zahir-ud-Din, M.A. (Pj.).

			Dr. M. A. Haque, D.Sc. (Paris), A.Inst.P. (Lond.), D.F.H. (Hons.) (Lond.), Grad.I.F.E., M.S.F.E.
Physics	...	...	Mr. M. F. Qureshi, M.Sc., B.T. (Pj.). M. Abdul Hamid Beg, M.Sc. (Pj.). M. Ghulam Rasul, M.Sc. (Pj.), Demonstrator.
Chemistry	...	...	Sh. Munir-ud-Din, M.Sc. (Pj.). Sh. Abdul Karim, M.Sc. (Pj.). Mr. Mohammad Ishaq, M.Sc. (Pj.), Demonstrator.
Biology	...	...	Lala Khidmat Rai, M.Sc. (Pj.). Sh. Abdul Hamid, M.Sc. (Pj.), Demonstrator.
Religious Instruction	...	...	<i>Vacant.</i> Maulvi Mohammad Umar Khan, H.A., H.P. (Pj.).
Library and Reading Room			Khawaja Dil Mohammad, M.A. (Pj.), F.P.U., Superintendent. Sh. Mohammad Amin, B.A., Librarian (Trained Certificated in the Dewey System). M. Ata-ur-Rahman, Assistant Librarian. M. Abdul Hamid, Care-taker, Reading Room.
Proctor	...	...	M. D. Taseer, Esq., M.A. (Pj.). Dr. Feroz-ud-Din, P.C.M.S., (Retired), Tuberculosis Ex- pert, Hony. Medical Officer.
College Dispensary	...	...	M. Ahmad Din, Qualified Dis- penser.
Hostel Superintendents	...	...	Sh. Abdur Rahman, (Rivaz). Mr. Mohammad Aslam, B.A., (Hailey). Maulvi Mohammad Umar Khan, (Crescent).
Physical Training	...	...	Khawaja A. Malik Dar, Director of Physical Training (Madras Trained). Mr. Mirza Khan, Assistant Director of Physical Training (Madras Trained). <i>To be appointed, Gymnastic Instructor.</i>

CLERICAL STAFF.

- M. Ghulam Mohi-ud-Din, Head Clerk.
- M. Mohammad Husain, Second Clerk.
- M. Shams-ud-Din, Registration Clerk.
- M. Mohammad Iqbal, College Secretary's Clerk.
- M. Sardar Mohammad, Cashier.

LABORATORY ASSISTANTS.

1. M. Ashiq Husain, Head Laboratory Assistant, Chemistry
2. M. Said Ahmad, Head Laboratory Assistant, Physics.
3. M. Maula Bakhsh, Head Laboratory Assistant, Biology
4. M. Mohd. Yaqub, Laboratory Assistant, Chemistry.
5. M. Waliullah, Laboratory Assistant, Chemistry.
6. Niaz Ali, Laboratory Assistant, Physics.

SCIENCE WORKSHOP.

- M. Qamar Din, Head Mistri.

XIII.—THE KHALSA COLLEGE, AMRITSAR

The Khalsa College (School Department) was established on the 23rd October, 1893, up to the Middle Standard, and was raised to the grade of a High School in March, 1896.

The Intermediate classes were formed in 1896, the B.A. classes in 1899, the F.Sc. and the B.Sc. in 1905, the M.A. in 1916, the F.E.A. in 1923, B.Sc. Agr. in 1931 and the Honours Schools in Chemistry and Botany in 1929. From 1930 a new department has been created to stimulate and organise research in Sikh History. Political Science, as a subject for the B.A., has been started this year.

The object of the Institution is: "To impart to Sikh youths an education that will tend to raise the status of the Sikh people, to maintain the Sikh religion, to promote morality and sobriety of life, to develop active habits and physical strength, and to produce intelligent and useful citizens and loyal subjects of the British Crown."

The foundation stone of the College was laid by the Hon'ble Sir James Broadwood Lyall on the 5th March, 1892, and that of the main building of the College and School was laid by the Hon'ble Sir C. M. Rivaz, K.C.S.I., on 17th November, 1904.

The College has got six boarding houses. There is a fine building for College lectures and School classes, fitted with electric fans. The Dharamsala is conveniently placed between the College and School boarding houses. The Institution is a self-sufficing colony with a Dispensary of its own in the charge of a resident Doctor, a Dairy run on scientific lines for the supply of milk, butter,

cream and cheese, a Farm supplying vegetables to the Hostels and other residential quarters, Co-operative Stores supplying provisions, a Book Depôt, and a Post and Telegraph Office with a Savings Bank. The Principal and all the Professors live on the premises. The Institution is situated in open and healthy country at a distance of about two miles from Amritsar.

The Institution is chiefly designed for the higher education of Sikhs, but non-Sikhs are also freely admitted, and there is a separate hostel maintained for them.

The general management of the Institution is in the hands of a Managing Committee of 26 members.

The College has extensive grounds attached to it, affording ample space for games and sports of all kinds which receive every encouragement. Recently a Gymnasium has been added at a cost of Rs. 5,500. There is also a swimming bath.

There is a Library in connection with the College. The Reading Room is regularly supplied with periodicals, both secular and religious.

The courses of study are those prescribed by the Panjab University for the F.A. and B.A., F.Sc., F.E.A., B.Sc., M.A. History and M.A. English Examinations. Candidates for the Intermediate Arts Course are prepared in English, Mathematics, Physics, Philosophy, History, Persian, Arabic, Sanskrit, French and Economics; for B.A. in English, Mathematics (A and B), History, Philosophy, Economics, Political Science, Persian, Sanskrit and Physics; for the F.Sc. Course in English, Mathematics, Physics, Chemistry and Biology; and for B.Sc. in English, Botany, Physics, Chemistry. B.Sc. in Agriculture was opened in September, 1931. Candidates are also prepared for the Medical Group of subjects.

Honours teaching is provided in English, History, Economics and Mathematics, and Honours Schools in Chemistry and Botany.

From 1932 Fruit and Vegetable preservation work has been started in connection with the Botany course of the B.Sc. Agriculture classes. A soap manufacture class also has been attached to the Chemistry Department.

The College is maintained chiefly from the interest on contributions from the Phulkian States, Kapurthala and Faridkote, as well as from an Endowment Fund raised by public subscription and an annual grant from Government and fees.

There are 137 stipends and scholarships enjoyed by the students of this College.

The number of students on the College rolls on 31st March, 1933, was 905.

STAFF.

Principal	...	{ S.B. S. Bishen Singh, B.A.,
	...	{ I.E.S. (Retd.).

1. Divinity	...	...	{ Jodh Singh, M.A. (Panjab). Sahib Singh, B.A. (Panjab). Teja Singh, M.A. (Panjab). T. H. Advani, M.A. (Cantab.). Narain Singh, M.A., LL.B. (Panjab). Ram Singh Gyani, M.A. (Panjab).
2. English			Mr. Hans Raj, M.A. (Eng. and Hist.) (Panjab). Sant Singh, M.A. (Eng. and Econ.) (Panjab). Sahib Singh, B.A. (Panjab). Hukam Chand, M.A., B.Sc. (Panjab). Harbans Singh Gyani, M.A. (Panjab). Jodh Singh, M.A. (Panjab).
3. Mathematics			T. H. Advani, M.A. (Cantab.). Rajindar Singh, M.A. (Panjab). Waryam Singh, M.A., LL.B. (Panjab)
4. History	...	...	Ganda Singh Kewal.
5. Sikh History			Harnam Singh, M.A. (Alig.), B.Sc. (Panjab), F.R.E.S., Bar-at-Law.
6. Economics	...	...	Sant Singh, M.A. (Eng. and Econ.) (Panjab).
7. Political Science	...	...	Mr. Advani and Waryam Singh, M.A., LL.B. (Panjab).
8. Philosophy	...	...	Harnam Singh, M.A., B.T. (Panjab).
9. Sanskrit	...	...	Ram Labhaya, M.A., B.A. (with Honours in Sanskrit) (Panjab).
10. Persian and Arabic	...	...	S. Murtaza Hussain, H.A.H.P. (Panjab). Mohan Singh, M.A., M.O.L. (Panjab).
11. French	...	...	Chaman Rawley, B.A. (Panjab). Narinjan Singh, M.Sc. (Panjab). Kirpal Singh, M.Sc. (Panjab). Ram Singh, B.A., M.Sc. (Panjab).
12. Chemistry	...	...	Jogindar Singh, M.Sc. (Panjab). Narain Singh, M.Sc. (Panjab). Dara Singh, M.Sc. (Panjab).

13. Botany	...	..	{ Charan Singh, M.Sc. (Panjab) Jiwan Singh, M.Sc. (Panjab). Harcharan Dass, M.Sc. (Panjab). Kishen Singh, M.Sc. (Mich.). Gurcharan Singh, M.Sc. (Panjab).
14. Zoology and Entomology			{ Vidya Sagar, M.Sc. (Panjab). Gurcharan Singh, M.Sc. (Panjab).
15. Physics	...	...	{ Jagat Singh, M.Sc. (Panjab). Ram Narain Bali, M.Sc. (Panjab). Raghubir Singh Bedi, M.Sc. (Panjab). Darbara Singh, M.Sc. (Panjab). Indar Singh, B.Sc. (Wales), Bar.-at-Law. Bishambar Dyal, L.A.G. (Panjab). Gurdit Singh, B.Sc. (Wales).
16. Agriculture	...	...	{ Madsudan Singh, B.Sc. (Ag.) (Panjab). Harbans Singh, I.D.D. (Allahabad). Mr. Jagan Nath Saini, L.V.P. (Panjab).
17. Panjabi	...	...	Sahib Singh, B.A. (Panjab).
18. Urdu	...	...	{ S. Murtaza Hussain, H.A.H.F. (Panjab).
19. Hindi	...	...	Ram Labhaya, M.A.
20. Physical Instruction	...	...	Harbel Singh.

DEMONSTRATORS.

Chemistry	...	...	{ Sant Singh, B.Sc. (Panjab). Ram Singh, M.Sc. (Panjab).
Physics	...	...	Wattan Singh, B.A. (Panjab)
Botany and Zoology	...	...	Jamiat Rai, M.Sc. (Panjab).

XIV.—GORDON COLLEGE, RAWALPINDI.

Gordon College of the American United Presbyterian Mission has an excellent location on the edge of Rawalpindi City opposite the Municipal Garden. The grounds contain nearly ten acres, affording ample space for athletics and recreation.

The buildings are large and well furnished. The main building includes an assembly hall, eight lecture rooms, well-equipped.

biological laboratories, library and reading-room, staff-room and office.

A new Science Hall with class rooms, laboratories, professor's office and new equipment for Physics, Chemistry and Botany was opened in October, 1927.

For the Intermediate Examination lectures are given in English, Mathematics, Philosophy, History, Economics, Physics, Chemistry (Organic and Inorganic), Botany and Zoology, Persian, Sanskrit and Arabic.

For the Bachelor's degree in Arts courses are offered in English, Philosophy, History, Economics, Mathematics (A), (B), Persian, Sanskrit and Arabic.

For the Bachelor's degree in Science courses are offered in English, Botany, Chemistry and Physics.

The tutorial system is in force in the College.

The hostels of the College will accommodate 110 men. An American Professor with quarters adjoining the hostel, has the supervision of the boarding house. The Common Room is well supplied with games.

Hockey, football, basket ball, volley ball and tennis grounds are provided. The interest in athletics is one of the special features of student life in Gordon College.

The number of students on the College rolls on 31st March, 1933, was 522.

STAFF.

Acting Principal	...	{ Rev. H. C. Chambers, D.D. (Westminster, U.S.A.).
Principal Emeritus	...	{ Rev. E. L. Porter, M.A., D.D. (Westminster, U.S.A.).
Vice-Principal	...	{ R. R. Stewart, M.A., PH.D. (Columbia, U.S.A.).
Department of English	...	{ Rev. J. B. Cummings, M.A. (New York), M.TH. (Pitts- burgh Theo. Sem.). Abdur Rahman, M.A. (Panjab). M. A. Qayyum Daskawie, M.A. (New York), B.D. (Serampore). Z. Buta Singh, M.A. (Agra).
Department of History	...	{ Bakhshi Harbans Singh, M.A., LL.B. (Panjab). Peter Ponsonby, M.A., Professor Emeritus.
Department of Economics	...	{ A. C. Mukerjee, M.A. (Panjab).
Department of Philosophy	...	{ Sundar Dass, M.A. (Panjab). M. A. Qayyum Daskawie, M.A. (New York), B.D. (Serampore).
Department of Mathematics	{	Gurdas Ram, M.A. (Panjab). Dina Nath, M.SC., B.T. (Panjab).

Department of Biology	...	{	R. R. Stewart, M.A., PH.D. (Columbia, U.S.A.).
			R. C. Lacy, M.Sc. (Allahabad).
			Mohindar Nath, M.Sc. (Panjab).
			E. Nasir, B.Sc. (Panjab).
Department of Chemistry	...	{	W. J. Downs, M.Sc. (Pittsburgh, U.S.A.).
			Amar Nath Gupta, M.Sc. (Pan- jab).
			Durga Parbodh Singh, B.Sc. (Panjab).
			V. R. Singal, M.Sc. (Panjab).
Department of Physics	...	{	J. M. Sen, M.Sc. (Dacca).
			Dina Nath, M.Sc., B.T. (Panjab).
			K. L. Saqib, M.A. (Persian) (Panjab).
			D. K. Muqbil, M.A., M.O.L. (Panjab).
Department of Languages	...	{	Pandit Uttam Chandra Rudra, Shastri, Sanskrit (Panjab).
			Maulvie Mohd. Akram, Profes- sor Emeritus.
			Nathaniel H. Din, B.A. (Panjab).
			Victor K. Mal, B.A. (Panjab), DIP.P.E. (Madras).
Librarian	...	{	Peter John, P.T., Assistant Director.
Athletic Directors	...	{	Abdullah Khan.
Hostel Superintendent	...	{	Manohar Lal Nanda, M.B., B.S. (Panjab).
College Physician	...	{	Sundar Das, B.A. (Panjab), Head Clerk.
Office	...	{	Bela Ram, A.C., Stenographer.
Laboratory Assistants	...	{	George K. Mal, B.A. (Panjab).
			Rahmat Masih.
			G. D. Samson, Biology.
			Shankar Das, Chemistry.
			Gobind Ram, Chemistry.
			Mohd. Akbar, Physics.

XV.—MURRAY COLLEGE, SIALKOT CITY.

This College was opened in the year 1889 by the Church of Scotland Mission, and for twenty years it prepared students up to the F.A. standard only.

The present buildings were opened by the Lieutenant-Governor in October, 1909, and provide accommodation for about 450 students.

The College is affiliated to the Panjab University and prepares students for the Bachelor of Arts (B.A.) Degree Examination in English, A and B Courses of Mathematics, Philosophy, History, Economics, Persian, Sanskrit, Arabic, Urdu, Hindi and Panjabi; for the Intermediate (F.A.) Examination in English, Mathematics, Physics, Chemistry, Philosophy, History, Economics, Persian, Sanskrit, Arabic, Urdu, Hindi and Panjabi; and for the Intermediate Science (I.Sc.) Examination in Physics, Chemistry and Biology. The College also prepares students for the three-paper Honours Courses in English, Psychology, Persian and Economics.

College tutors take a general interest in the conduct and progress of their wards.

The number of students on the College rolls on 31st March, 1933, was 464.

The Library contains nearly 6,000 volumes.

STAFF.

Principal	...	...	{	Rev. John Garrett, M.A. (Glasgow), (<i>on furlough</i>).
Acting Principal		...	{	Rev. William Lillie, M.A. (Aberdeen).
Vice-Principal		...	{	Rev. D. Leslie Scott, M.A., B.D. (Edin.).
			{	Rev. John Garrett, M.A. (Glasgow), (<i>on furlough</i>).
			{	Rev. D. Leslie Scott, M.A., B.D. (Edin.).
Department of English	...		{	Mrs. Garrett, M.A., M.D. (Aberdeen), (<i>on furlough</i>).
			{	E. S. Lyall, Esq., M.A. (Allahabad).
			{	Rev. William Lillie, M.A. (Aberdeen).
			{	C. W. Tressler, Esq., M.A. (Allahabad).
Department of Philosophy	...		{	Rev. William Lillie, M.A. (Aberdeen).
			{	Rev. D. Leslie Scott, M.A., B.D. (Edin.).
Department of Economics	...		{	Kh. Abdul Latif, M.A., LL.B. (Allahabad).
			{	C. W. Tressler, Esq., M.A. (Allahabad).

Department of History	...	{	S. L. Sircar, Esq., M.A. (Calcutta).
		{	C. W. Tressler, Esq., M.A. (Allahabad).
Department of Mathematics		{	D. N. Kohli, Esq., M.A. (Panjab).
		{	A. N. Sharma, Esq., M.A. (Panjab).
Department of Physics	...	{	Jai Kishen, Esq., M.Sc. (Panjab).
Department of Chemistry	...	{	R. K. Dhawan, Esq., M.Sc. (Panjab).
Department of Biology	...	{	R. C. Thomas, Esq., M.Sc. (Allahabad).
		{	Pt. Kunj Lal Gauttama, Shastri, <i>Sanskrit and Hindi</i> .
		{	Faiz Ahmad Qureshi, Esq., M.A., H.P. (Panjab), <i>Arabic</i> .
Department of Languages	...	{	Hakim Jamshid Ali Rathor, M.A., M.O.L. (Panjab), <i>Persian</i> .
		{	S. Piara Singh, Hous. in Panjabi, <i>Panjabi</i> .
		{	M. Mohaminad Din, M.A., H.A., H.P. (Panjab), <i>Urdu</i> .
Department of Physical Instruction	...	{	S. L. Sircar, Esq., P.T. (Madras).
		{	A. Moti Ram, Esq., P.T. (Madras).
Hostels	...	{	Rev. D. Leslie Scott, M.A., B.D., Warden.
		{	A. Moti Ram, Esq., Assistant Warden.
		{	Dr. L. C. Dutt, M.B., B.S., Medical Attendant.
Library	...	{	R. K. Dhawan, Esq., Professor-in-Charge.
		{	Mr. Lall Din, Librarian.
Office	...	{	Mr. M. L. Chopra, Head Clerk.
		{	Mr. Daniel S. Dean, Assistant Clerk.

XVI.—EDWARDES COLLEGE, PESHAWAR.

The College is an extension in the work of the Edwardes Church Mission High School founded in 1855 by the Church Missionary Society, and named after Sir Herbert Edwardes, K.C.B., K.C.S.I.,

Commissioner of Peshawar. College classes were begun in May, 1900.

1. The College buildings were opened on 7th January, 1910. They consist of 6 class rooms, library, indoor gymnasium, and a spacious hall for evening lectures, and are situated in Cantonments. The cricket, football and hockey ground is in the public gardens; and the tennis courts and practice ground for students in the College grounds.

2. The Hostel is a fine building consisting of fifty-one rooms, including dining rooms, common rooms and a suite of rooms for a bachelor professor and a separate block for the Warden. The bathrooms and lavatories have water laid on to them.

3. There are no endowments. The College conforms to the Government regulations as to fees.

The number of students on the College rolls on 31st March, 1933, was 145.

STAFF.

Rev. C. A. Bender, M.A. (Durham), Principal and Professor of English and Economics.

Mr. A. M. Dalaya, B.A. (Hons.) (Oxford), LL.B. (Bombay), Vice-Principal and Professor of History.

Mr. H. L. Phillips, M.A. (Boston), Professor of Economics.

Mr. G. A. Kay, B.A. (Hons.) (Oxford), Professor of Economics and English.

S. Mul Raj Singh, M.A. (Panjab), Professor of Philosophy.

Pt. Beas Dev, M.A. (Panjab), Professor of Mathematics.

Mehta Siri Ram, M.A. (Delhi), B.T. (Panjab), Professor of English and Philosophy.

Mr. V. A. Price, M.A., S.A.V. (Panjab), Professor of English.

M. Abdul Majid, Professor of Persian and Vernacular Languages.

Pt. Nand Lal Shastri, Professor of Sanskrit and Hindi.

L. Khan Chand, B.A. (Hons.) (Panjab), Assistant Language Professor.

Mr. B. M. David, Physical Director.

Mr. J. F. Marks, Assistant Clerk and Librarian.

XVII.—SADIQ-EGERTON COLLEGE, BAHAWALPUR.

This institution was first established in 1882 and called the Egerton Upper School from a desire to connect the name of Sir Robert Egerton, at that time the Lieutenant-Governor of the Province, with the educational movement of the State just then inaugurated.

Intermediate Classes were opened in October, 1886, and B.A. Classes in June, 1892. But it was thought advisable to abolish the B.A. Classes in June, 1900. In October, 1926, B.A. Classes were opened once more. In June, 1927, F.Sc. Class was also added.

There are scholarships for each class to which the residents of the Bahawalpur State have preferential claims. To the College are attached a Library (from which books, on certain conditions, are issued *free* to the Students), a Debating Society and a Boarding House, with excellent accommodation.

The number of students on the College rolls on 31st March, 1933, was 262.

STAFF.

1. M. A. Zahidie, Esq., B.A.	}	English.
(Panjab), Principal ...		
2. A. R. Pirzada, M.A. (Panjab) ...		
3. Mehta Murlī Dhar, M.A. (Panjab) ...	}	Mathematics.
4. Md. Ahsan, M.A. (Aligarh), (officiating) ...		
5. F. M. Shuja, M.Sc. (Panjab) ...		
6. Ch. Md. Afzal, M.Sc. (Panjab) ...	}	Science.
7. M. Iqbal Siddique, B.Sc. (Alig.) ...		
8. A. M. Sheikh, M.A. (Panjab) ...	}	History.
9. Anwarul Hasan, M.A. (Allahabad) ...		
10. Haji Ahmad, M.F. ...	}	Economics.
11. Md. Shakir, M.F. ...		
12. Madan Singh, Shastri ...	}	Persian.
13. S. Sadiq Ali, M.A., M.F. (Panjab) ...		
14. Md. Miskin ...	}	Arabic.
15. Allauddin ...		
16. Jamiluddin ...	}	Sanskrit.
	}	Urdu.
	}	Accountant.
	}	Librarian.
	}	Clerk.

XVIII.—RANDHIR COLLEGE, KAPURTHALA.

1. The Randhir College, Kapurthala, was originally founded in 1856 by the late Raja Randhir Singh, Ahluwalia. It was raised to the level of an Intermediate Arts College by H.H. The Maharaja Sir Jagatjit Singh, G.C.S.I., in 1896. F.Sc. classes were added in 1920.

2. The College provides for the following subjects included in the University Course for the Intermediate Examination: English, Mathematics, Physics, Chemistry, History, Philosophy, Economics, Sanskrit, Persian, Arabic, and Biology, Hindi, Urdu, Punjabee and French. The Oriental Department is affiliated to the University in Sanskrit, up to the Honours standard. French is taught as an Optional Subject and also in place of Sanskrit, Arabic or Persian.

3. In 1912, new buildings were constructed to commemorate the visit of H.M. The King-Emperor to India, opened in 1913 by Sir Louis Dane, then Lieutenant-Governor of the Punjab. Two boarding houses with 70 cubicles and a few dormitories provide accommodation for 125 boarders. Arrangements have been made for irrigating the fields round the College for playing purposes. A new gymnasium has been constructed.

4. Poor students of the State are admitted free, and a number of scholarships are given to deserving students. No fees are charged from students of the Oriental Classes, and the Dharmarth (Charity) Department of the State provides them with free board and lodging.

5. A Darbar, presided over by His Highness, is held annually for the distribution of prizes. Medals are awarded to students standing first in the Shastri and F.A. Examinations.

The number of students on the College rolls on 31st March, 1933, was 230.

STAFF.

COLLEGE STAFF.

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| 1. S. Arbel Singh, B.Sc. (Panjab), Fellow, Panjab University. | } Principal and Professor of Science. |
| 2. L. Jagmohan Lal, M.A. (Panjab). | |
| 3. Mr. P. C. Ramn, M.A. (Calcutta). | } Professor of French. |
| 4. S. Niranjan Singh, M.Sc. (Panjab). | |
| 5. L. Chiranjiva Lal, M.A. (Panjab). | } Professor of Mathematics. |
| 6. L. Dina Nath, M.A. (Panjab). | |
| 7. L. Bashamber Das, M.A. (Panjab). | } Professor of English and History. |
| 8. L. Dogar Mal, M.A. (Panjab). | |
| 9. M. Mahmud Ali, Munshi Fazil and Maulvi Fazil (Panjab). | } Professor of Persian, Arabic and Urdu. |
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| 10. | Pt. Sri Ram, Shastri (Panjab). | } | Professor of Sanskrit and Hindi. |
| 11. | L. Tara Chand, B.Sc. (Panjab). | | Demonstrator. |
| 12. | Bhai Hara Singh, Gyani (Panjab). | } | Lecturer in Panjabi. |
| 13. | B. Pooran Singh | | Physical Training Supervisor. |
| 14. | L. Bhaghat Ram | } | Lecture Assistant to Professor of Science. |
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ORIENTAL COLLEGE STAFF.

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|----|-------------------------------|---|-----------------|
| 1. | Pandit Kishen Dutt, Shastri. | } | Head Pandit. |
| 2. | Pandit Kishen Chand, Shastri. | | Second Pandit. |
| 3. | Pandit Kashi Ram, Shastri. | } | Third Pandit. |
| 4. | Pandit Vishva Nath | | Fourth Pandit. |
| 5. | Pandit Sawan Mall | | English Master. |

OFFICE.

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|----|--------------------|-----|--------------------------------|
| 1. | L. Gurditta Mall | ... | Head Clerk and Accountant. |
| 2. | L. Nand Kishore | } | Second Clerk and Stenographer. |
| 3. | Sh. Mohammad Sadiq | | Librarian. |

NOTE.—Dr. Sher Mohammad, House Surgeon, Randhir Hospital, and X-ray expert, is the College Physician.

XIX.—THE MOHINDRA COLLEGE, PATIALA.

This institution has grown out of a school originally founded by H.H. Maharaja Narindra Singh, but first placed on an organised basis in 1870 by H.H. Maharaja Mohindra Singh. In January, 1874, the school was affiliated to the Calcutta University. In March, 1875, the foundation-stone of the new building, which has cost more than five lacs of rupees, was laid by H.E. Lord Northbrook in an open and healthy quarter outside the city. An F.A. class was opened in 1880, and the institution was raised to the status of a first grade college in 1887, when to commemorate the 50th year of Her Gracious Majesty, the Queen-Empress Victoria, the College was affiliated to the B.A. standard of the University of the Panjab. It was affiliated to

the M.A. in Mathematics in 1912, and to M.A. in Philosophy in 1922. F.Sc. classes were opened in 1920. Up-to-date and well-equipped laboratories and class-rooms are provided for the Science Department. A small museum and a botanical garden are also attached to the Science Department.

To the College are attached a large and spacious Hostel, capable of accommodating 150 students, a well-equipped Gymnasium, a good Library, a well-furnished Reading Room, and a residence for the Principal who has the supervision of the Boarders, and is assisted by a Warden. It has extensive grounds. Physical exercise is compulsory and a whole-time Gymnastic Instructor is in charge of the Gymnasium.

The College is maintained entirely at the expense of the State. Neither admission nor tuition fees are charged from State subjects. Scholarships of the total value of Rs. 1,248 are awarded to the deserving students, as determined by the College and the University examination results. The Northbrook Gold Medal is annually awarded to the student standing first in the B.A. Examination from among students sent up from this College. Two silver medals in memory of Professor Puran Chandra Rai are awarded every year to students standing first from this College in Physics and Chemistry in the Intermediate Examination. Students are prepared for the Intermediate Arts and Science and B.A. Examinations of the Panjab University. Honours courses for B.A. classes are also taught according to new regulations. The tutorial system is in force and encouragement is given to seminary work and study circles.

The College has a monthly journal called *The Mohindra*.

Admission to the College is limited. Patiala State subjects have prior claims.

The number of students on the College rolls on 31st March, 1933, was 692.

STAFF.

B. N. Khosla, M.A. (Panjab), B.A. (Hons.) (Cantab.), Bar.-at-Law.	}	Principal and Professor of Economics.
K. C. Bose, M.A., B.L. (Calcutta).		
Daya Krishan Malhotra, M.A. (Panjab).	}	Lecturer in Economics.
Kishori Lal, M.A. (Panjab) ...		
Durga Das Kapila, M.A., B.Sc. (Panjab).	}	Prof. of Mathematics.
S. N. Bannerji, M.A. (Calcutta)		
Mahajot Sahai, M.A. (Panjab), Ph.D. (London).	}	Prof. of History.
Lachhman Das Mahajan, M.Sc. (Panjab).		
	}	Lecturer in Philosophy.
	}	Lecturer in Physics.

Lakshman Parshad, M.A. (Panjab).	}	Lecturer in English.
K. L. Budhiraja, M.Sc. (Panjab).		Lecturer in Chemistry.
Ramnik Singh, M.Sc. (Panjab)	}	Lecturer in Biology.
Chanan Singh Chahal, M.A. (Panjab).		Lecturer in English and History.
Dharama Vallabh Arora, M.A. (Panjab).	}	Lecturer in English.
M. Abdul Rahman, M.A. (Ali-garh).		Lecturer in Mathematics.
Bisheshar Charan Lal, B.Sc. (Allahabad).	}	Demonstrator in Biology.
Zorawar Chand, B.Sc. (Panjab), LL.B. (Delhi).		Demonstrator in Physics.
Dev Raj Bhalla, M.A. (Panjab)	}	Lecturer in Philosophy.
Sahib Dayal Bhatia, B.Sc. (Agra).		Demonstrator in Chemistry
Madhav Ram Sharma Shastri, B.A. (Panjab).	}	Lecturer in Sanskrit and Hindi.
Ibrahim Ali Khan, Munshi Fazil (Panjab).		Lecturer in Persian and Urdu.
Zafar Hasan, Maulvi Fazil (Panjab).	}	Lecturer in Arabic and Urdu.
Shiv Lal Chopra, M.A., M.O.L., Gyani, Munshi Fazil (Panjab).		Lecturer in Panjabi, Persian and Urdu.
Jagan Nath Sharma, B.A., Trained at Madras.	}	Physical Director.

LIST OF PRINCIPALS.

Lala Dwarka Das, M.A.	...	1880.
Babu Atal Krishen Ghosh, M.A.	...	1888.
Edmund Candler, Esq., B.A.	...	1906.
T. L. Vaswani, Esq., M.A.	...	1915.
Man Mohan, Esq., M.A.	...	1919.
A. K. Sharma, Esq., M.A. (<i>offg.</i>)	...	1921.
Dr. Vishwanath, M.Sc., PH.D.	...	1927.

XX.—SRI PRATAP COLLEGE, SRINAGAR. KASHMIR.

This College was founded in 1905, and was affiliated to the Panjab University in the following year.

Up to the 22nd of July, 1911, the College was under the

management of a Local Committee subject to the general control of the Trustees of the Central Hindu College, Benares. On that date it was transferred to the Kashmir State and placed under the Minister of Education. Since then many improvements have been carried out. It is affiliated up to the B.A. standard in English, Mathematics, Persian, Sanskrit, History, Philosophy, Arabic and Economics, and up to the M.A. in Philosophy, Mathematics and Sanskrit; also up to the Intermediate Standard in Science and Biology.

Daily religious exercise is compulsory for all students. Ample provision is made for Games—hockey, cricket, football, tennis, badminton, volley ball, athletics and boating. A permanent Gymnastic Instructor is on the College Staff.

Through the generosity of His Highness the Maharaja Bahadur gold medals are annually awarded as follows :—

1. Hardinge Medal founded in 1912, to be awarded every year to the most distinguished of the B.A. candidates from this College.

2. Chelmsford Medal announced in 1918, to be awarded annually to the successful B.A. candidate from this College who is the best-all-round student in his class.

3. Lord Reading Medal announced in 1921, to be awarded annually to the student who stands first in Philosophy in the B.A. Examination from among the students of this College.

4. Prince of Wales Medal announced in 1922, to be awarded annually to the student who stands first in Biology in the F.Sc. Final Examination.

5. P. Suraj Narain's medal for the research work in B.A. Economics.

The number of students on the College rolls on 31st March, 1933, was 660.

STAFF.

1. M. Mohammad Ibrahim, M.A., M.O.L., Principal.
2. Pt. Ramlal Kanjilal, M.A. (Calcutta), Vedantatirtha, Vidyaratna, Professor of Sanskrit.
3. Pt. Autar Kishen Kichloo, M.A. (Panjab), Professor of Philosophy.
4. Pt. Gyani Ram, B.A. (Panjab), Professor of Mathematics.
5. Pt. Chand Narain, M.A. (Allahabad), Professor of English.
6. P. Ramachandra Pandita, M.A. (Eng.), M.A. (Maths.) (Panjab), Professor of Mathematics and English.
7. S. Bahadur Singh, M.Sc. (Panjab), Professor of Biology.
8. Pt. Radha Kishan Bhan, M.A. (Panjab), Professor of Economics.
9. L. Sunder Das, M.Sc. (Panjab), Professor of Science.
10. Pt. Brij Kishen Madan, M.A. (Panjab), Professor of History.

11. Pt. Jia Lal Kaul, M.A., LL.B. (A.U.), Lecturer in English.
 12. Pt. Nand Lal Koul, M.A., M.O.L., H.U., H.P. (Panjab), Lecturer in Persian and Urdu.
 13. L. Hans Raj Nanda, M.Sc. (Panjab), Lecturer in Chemistry.
 14. P. Sarwanand Thusoo, M.A. (Panjab), Lecturer in English.
 15. Pt. Shyamlal Raina, M.Sc. (Benares), Demonstrator in Biology.
 16. Pt. Shyamlal Dhar, B.Sc., M.A. (Panjab), Demonstrator in Physics.
 17. Pt. Nand Lal Darbari, M.Sc. (Panjab), Demonstrator in Chemistry.
 18. Pt. B. L. Kaw, M.Sc. (Allahabad), Demonstrator in Biology.
 19. Pt. Kantha Kaul, M.A. (Calcutta), Librarian.
 20. Pt. Govind Dhar, Head Clerk.
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XXI.—PRINCE OF WALES COLLEGE, JAMMU.

This College was founded by His Highness Major-General Sir Pratap Singh, G.C.S.I., G.C.I.E., Maharaja of Jammu and Kashmir, to commemorate the visit paid to Jammu in December, 1905, by His Royal Highness George, Prince of Wales, now King-Emperor George the Fifth.

The College was opened on the 20th April, 1907, in the Ajaibghar. The foundation stone of the new College was laid on the 16th December, 1910, and the building was completed in June, 1912. Admission is open to boys and girls coming from areas within the State.

The new College is situated in extensive grounds in a very healthy locality near the Tawi and the Ranbir Canal, and commands magnificent views of the snowy ranges. A branch of the canal runs through the grounds. The Hostel is close to the College. The grounds afford ample space for playing fields. Electric lights have been provided in the Hostel and electric fans in the College and laboratories. Electricity for experimental purposes has also been provided in the Physics, Chemistry, and Geology laboratories.

The College provides instruction up to the degree standard in the following subjects :—

English, Sanskrit, Arabic, Persian, History, Economics, Mathematics (Applied and Pure), Physics, Chemistry and Geology.

There are well-equipped Laboratories for Physics, Chemistry and Geology; and a Geology Museum, which has been enriched by a large collection of British Fossils and Rocks, the gift of J. McKenny Hughes, Esq., Woodwardian Professor of Geology, Cambridge.

Scholarships to the amount of Rs. 2,620 are awarded to poor and deserving students who are State subjects.

The number of students on the College rolls on 31st March 1933, was 380.

STAFF.

1. S. R. Suri, B.A., M.Sc. (Panjab), Principal and Professor of Physics.
2. Chand Mal, M.A., B.T. (Panjab), Professor of English.
3. Prem Nath Qazi, M.A. (Panjab), Professor of English.
4. Abdul Rashid, M.A. (Panjab), Lecturer in English.
5. Pt. Sham Lal Pandit, M.A. (Panjab), Lecturer in English.
6. T. L. Manghirmalani, M.A. (Bombay), Professor of History.
7. Panna Lal Aggarwal, M.A. (Panjab), Professor of Economics.
8. Lala Girdhari Lal Gupta, M.A. (Panjab), Professor of Mathematics.
9. S. L. Varma, M.A. (Panjab), Lecturer in Mathematics.
10. Siddheshwar Varma, Shastri, M.A. (Panjab), D.LITT (London), Professor of Sanskrit.
11. Maulvi Rafi-ud-Din, M.A. (Panjab), Professor of Persian.
12. M. Ahmed Shah, M.A., L.T., Lecturer in Arabic.
13. Manak Chand Khosla, M.Sc. (Panjab), Professor of Chemistry.
14. Daulat Ram Hooja, M.Sc. (Panjab), Professor of Physics and Chemistry.
15. Fazal Haq, M.Sc. (Panjab), Demonstrator in Physics.
16. Raghunath Sawhney, M.Sc. (Panjab), Demonstrator in Chemistry.
17. R. K. Zutshi, M.Sc. (Panjab), Demonstrator in Physics and Chemistry.
18. B. K. Bose, M.Sc. (Calcutta), Professor of Geology.
19. Navin Chandra, B.Sc. (Panjab), Demonstrator in Geology.
20. Jia Lal, M.A. in Sanskrit and Honours in Hindi, Lecturer in Hindi.
21. Hari Ram, Head Clerk.
22. M. Mohd. Rafiq, Librarian.

XXII.—DYAL SINGH COLLEGE, LAHORE.

1. The Institution owes its origin to the noble generosity of the late Sardar Dyal Singh Majithia. The foundation stone was laid by His Honour Sir Louis Dane on 3rd May, 1910.

2. The scope and character of the College in the terms of the Will and Testament of Sardar Dyal Singh Majithia is:—

“ It shall be the duty of the said Committee of Trustees to establish and maintain, out of the funds and income of the property mentioned in paragraph VIII hereof, a First Class Arts College, with or without any school classes as to the said Committee may appear desirable, to be called by such name as the said Committee may decide, for the spread and dissemination of a sound liberal education in this Province, in which College every attempt shall be made to inculcate pure morality and the principles of Theism consistent with the tenets of the Brahmo religion by the personal example of the teaching staff as far as possible and by instituting a course of lectures and by such other similar means as may to the said Committee appear proper and feasible.”

“ Save as above provided, the said College shall in other respects, be a thoroughly efficient non-denominational College affiliated to the Universities of Calcutta and Panjab, teaching up to the highest standards and imparting instructions on the same lines generally as the Government Colleges in this country, and looking after and promoting the physical, mental and moral well-being of the pupils on its rolls.”

3. The College teaches up to M.A. standard of the Panjab University and is affiliated in the following subjects. The authorities have decided to admit women students in all classes.

Intermediate Arts—English, Sanskrit, Persian, French (Hindi for women students), History, Philosophy, Mathematics, Economics, Physics, Chemistry and Biology, and the Vernaculars (Hindi, Panjabi, Bengali, Urdu and Military Science).

Intermediate Science—English, Mathematics, Biology, Physics and Chemistry (Medical and Non-Medical Groups), and the Vernaculars (Hindi, Panjabi, Urdu, Bengali and Military Science).

B.A.—English, Mathematics (A and B Courses), Astronomy, History, Philosophy, Economics, Sanskrit and Persian; optional subjects, Hindi; Urdu, Panjabi and Military Science.

M.A.—Mathematics and Persian (University Class).

Honours Courses for B.A. Classes are also taught. There is, moreover, provision for B.Sc. students who attend lectures in English in this College and lectures in Botany, Zoology in other Institutions under the University arrangements.

4. The control of the College is vested in the Board of Trustees consisting of 9 gentlemen.

5. Religious instruction is imparted to every class, and lectures on moral and religious subjects are arranged from time to time.

6. The Governing Body set apart every year a definite amount for the award of scholarships. The College provides scholarships to the value of about Rs. 2,000 a year, the award

always depending on merit. Besides College Scholarships, all kinds of Government, University, Municipal and District Board Scholarships are open to the students of this College.

7. In the Boarding Houses attached to the College there is accommodation for about 340 students. The Principal and two Superintendent Professors are provided with free quarters. The number of students on the rolls on 31st March, 1933, was 967.

8. The College has a Library, a Reading Room, an up-to-date and well-equipped Gymnasium, The Union, a Monthly Magazine, Bazam-i-Ilum-o-Adab, Hockey Club, Tennis Club, Football Club, Boat Club, First Aid to the Injured, and "Boy Scouts Troop", Historical and Philosophical Clubs, Scientific Society, Juniors Debating Society, Dramatic Club, Political Science Club, Social Club, the Literary Circle.

STAFF.

Hem Raj, Esq., M.A. (Panjab), Principal.

Bhupal Singh, Esq., M.A. (English and Economics) (Panjab).

Senior Professor of English.

Daya Nath Bhalla, Esq., M.A. (Panjab), B.A. (Cantab.), Senior Professor of Economics and Professor of English.

K. M. Maitra, Esq., M.A. (Arabic and Persian) (Calcutta), M.R.A.S., Professor of Persian.

Chiranjiva Lal, Esq., M.A. (Panjab), Professor of Economics and History.

Ganga Ram Kohly, Esq., M.Sc. (Panjab), Professor of Biology.

Mul Raj, Esq., M.A. (Panjab), Professor of Mathematics.

Manohar Lal, Esq., B.A., B.T. (Panjab), Professor of Physics.

Amar Nath Bhasin, Esq., M.A. (Panjab), Professor of Philosophy.

Behari Lal Anand, Esq., B.A., B.T. (Panjab), Professor of English.

Sant Ram Grover, Esq., M.A. (Panjab), Professor of English.

U. N. Ball, Esq., M.A. (History and Economics) (Calcutta), Professor of History.

P. N. Pandit, Esq., M.Sc. (Panjab), Professor of Chemistry.

A. K. Sidhanta, Esq., M.A. (Philosophy) (Calcutta), B.D., S.T.M. (Harvard), Professor of English, Theology and Philosophy.

Som Nath, Esq., M.A. (Panjab), Lecturer in English.

Mr. Balraj, M.A. (Economics) (Panjab), Lecturer in Economics, History and English.

Pt. Gopi Chand Varma, Shastri, B.A. (Panjab), Professor of Sanskrit and Hindi.

Mr. Lakhpat Rai Sethi, M.A. (Panjab), Lecturer in History, Political Science and English.

Mrs. P. Bhalla, M.A. (Panjab), Lecturer in English and History.

- Mr. Abid Ali, M.A., M.O.L., LL.B. (Panjab), Part-time Lecturer in Persian.
- Madame A. Makeeff, Diploma-holder in French, Geneva, Part-time Lecturer in French.
- Baligh-ul-Mulk Maulana Ahsan Ullah Khan Tajwar, Maulvi Fazil, Munshi Fazil (Panjab), Fazil-i-Deoband, Lecturer in Persian and Urdu.
- L. Karam Chand Dhawan, M.A. (Panjab), Lecturer in Mathematics.
- Mr. Vidya Nath Sahai, M.A. (English and Sanskrit) (Panjab), B.A. (Oxon), Temporary Professor of English and Theology.
- Pt. Jai Chand, Shastri (Panjab), M.A., M.O.L., Vidya-Alankar, Lecturer in Panjabi and Hindi and Sanskrit.
- Lala Ram Lal, M.Sc. (Panjab), Demonstrator in Chemistry.
- Mr. Bhishamji Gulati, M.Sc. (Panjab), Demonstrator in Physics.
- Mr. Harpal Singh (trained at Madras), Physical Training Instructor.
- Mr. Mohaminad Ashraf, Physical and Gymnastic Instructor.

XXIII.—KINNAIRD COLLEGE FOR WOMEN, LAHORE.

The Kinnaird College developed out of the Kinnaird High School for Girls. Intermediate classes were opened in October, 1913, and B.A. classes in 1917. At present the College is affiliated as far as the B.A. degree in English, Mathematics, History, Philosophy, Economics, Sanskrit and Persian.

The College is supported by five Christian societies, viz., the Zenana Bible and Medical Mission, the American Presbyterian Mission, the Church Missionary Society, the American United Presbyterian Mission and the Punjab Indian Christian Conference. It also receives grants-in-aid from Government.

The College is governed by a Board of Directors consisting of two representatives of each of the above societies and a certain number of co-opted members. Provision is made in the constitution for the admission of other Christian bodies to co-operate in the management and support of the College.

In 1926 the College purchased the present site on Lake Road opposite the University playing fields. There are now on this compound six buildings of different sizes. Together with a neighbouring house which the College has on lease, these provide accommodation for class-rooms and the Library and also residential quarters for students and staff. There are three tennis courts, a basket-ball court, several badminton courts and plenty of space for trees and flowers.

The object of the College is to provide a Christian education. It is open to students of every religion. The number of students on the College rolls on 31st March, 1933, was 124 of whom 84 were in residence.

STAFF.

RESIDENT.

- | | | |
|--|---|---|
| 1. Miss I. T. McNair, M.A.
(Hons.) (University of
Glasgow). | } | Principal and Lecturer in
English. |
| 2. Miss W. H. Porter, M.A.
(Wooster, U.S.A.). | | |
| 3. Miss A. Itty, M.A., L.T.
(University of Madras). | } | Vice-Principal and Lecturer
in English (<i>on furlough</i>).
Acting Vice-Principal and
Lecturer in Philosophy. |
| 4. Miss D. A. J. Lyon, M.A.
(Hons.) (University of
St. Andrews). | | |
| 5. Miss S. Ittyerah, M.A., L.T.
(University of Madras). | } | Lecturer in Economics and
History. |
| 6. Miss Naomi Light, M.A.
(University of Kansas,
U.S.A.). | | |
| 7. Miss C. Symonds, M.A.
(Cantab.). | } | Lecturer in English. |
| 8. Miss Monica Talibuddin,
M.A. (Panjab). | | |
| 9. Mrs. Muriel Parsons ... | | Warden. |

NON-RESIDENT.

- | | | |
|---|---|--|
| 1. Mr. Sirdari Lal, B.Sc., B.T.
(Panjab). | } | Lecturer in Mathematics. |
| 2. Mr. Mohd. Ismail, M.A.
(Panjab and Allahabad). | | |
| 3. Pandit Balasshaya Shastri,
(Panjab). | } | Lecturer in Urdu and Per-
sian.
Lecturer in Hindi and Sans-
krit. |
| 4. S. Sundar Singh, M.Sc.,
B.T., Gyani (Panjab). | | |
| 5. Mrs. Ihsan Ullah ... | } | Lecturer in Panjabi.
Lecturer in French. |
| 6. Mrs. Chetsingh, B.A. (His-
tory Honours) (University
of London). | | |
| 7. Mrs. Abdullah ... | } | Lecturer in History. |
| 8. Mrs. Warris ... | | |
| 9. Miss K. Chrystal ... | | |

XXIV.—ISLAMIA COLLEGE, PESHAWAR.

(DAR-UL-ULUM-I-ISLAMIA, SARHAD).

Dar-ul-Ulum was established in the year 1913. Its foundations was due to the recognition of the educational needs of Muhammadans of the North-West Frontier Province by the leading Muhammadan gentlemen of the Province, who succeeded in awakening great enthusiasm for modern education, coupled with religious training, in the minds of their co-religionists.

As a result, a sum of nearly fifteen lakhs was collected in a very short time and, with the help of very liberal grants from the Local and Imperial Governments, the College, with an attached Collegiate School and an Oriental Faculty, was started.

A very fine site of 300 acres was purchased for the College some three miles to the west of the Peshawar Cantonments on the Jamrud Road, so that the College presents a very striking appearance near the mouth of the Khyber Pass, and is the first object that attracts the attention of the numberless travellers from Afghanistan and Central Asia who pass along this great highway into India.

The College itself is a fine building designed on oriental lines of architecture, and consists of a large hall, six class rooms, a library and an office, and a fine block for the accommodation of Science classes. All round are extensive grounds, well laid out roads, gardens and trees and ample accommodation for playgrounds. At the back of the College and the Science Block are four Hostels accommodating 60 students each, and to the east lies the Oriental Library, and the Collegiate School, to which are attached four large Hostels. A new College Hostel, with single rooms to accommodate 100 students, was opened last year. Electric light has been installed and a water pipe system introduced.

The College and School are entirely residential, and the Principal and members of the staff all reside within the College compound, and have the Hostels under their direct supervision. A special feature of the institution is the inclusion of classes for religious instruction in the regular time-table, and attendance at prayers in the College Mosque.

The courses of study are those prescribed by the Panjab University for the F.A., B.A., and M.A., F.Sc. and B.Sc. Examinations. Candidates for the F.A. Examination are prepared in English, Mathematics, History, Philosophy, Arabic, Persian, Economics, Physics and Chemistry, Biology, and Urdu and Pashto; for the B.A., in English, History, Philosophy, Economics, Mathematics (A and B Courses), Botany, Arabic and Persian; for the M.A., in Mathematics; for the F.Sc., in English, Mathematics, Physics, Chemistry and Biology; and for the B.Sc., in Physics, Chemistry and Botany; also for B.A. Honours in

Mathematics, English and Persian. The College is now affiliated for Agriculture (F.E.A.).

The College Committee and the College Duty Society grant Scholarships to deserving students, and special District Board Scholarships are tenable in the College.

The Collegiate High School was opened on 15th April, 1913, and now has about 350 boys on its rolls. The College, opened on 1st October, 1913, had 323 students on the rolls on 31st March, 1933, nearly all boarders.

STAFF.

Henry Martin, M.A. (Oxon), O.B.E., Principal.

PROFESSORS.

ARTS.

English	...	...	{	Henry Martin, M.A. (Oxon)
				O.B.E.
				C. H. Strover, B.A. (Hons.)
				(Oxon).
				Sb. Mohd. Timur, M.A. (Panjab).
Mathematics	...	...	{	Kazi Inayatullah, M.A. (Alig.).
				Ahmad Ali Sadiq, M.A., B.T.,
				LL.B. (Alig.).
				Dr. Umar Hayat Malik, M.A.,
				LL.B. (Alig.), M.Sc. (Cantab.),
History	...	...	{	PH.D. (Göttingen).
				Hafiz Osman, M.A. (Allahabad).
				Abdul Haq Qureshi, M.A. (Alig.).
				Ziauddin, M.A. (Panjab).
				Mohd. Shafi, B.A. (Allahabad).
Philosophy	...	...	{	Abdur Rahim Khan, M.A. (Panjab),
				H.P. (Panjab).
Economics	...	...	{	Rakibud-Din Ahmed, M.A.
				(Dacca).

SCIENCE.

Chemistry	...	...	{	W. R. Jones, B.Sc. (Hons.)
				(Manch.), A.I.C.
				Mirza Anwer Beg, M.Sc. (Panjab).
				Nur Ahmad, M.Sc. (Alig.),
				Demonstrator.

Physics	...	...	...	{	Sh. Minhajuddin, B.A., M.Sc. (Panjab).
				{	Abdul Muttaib, M.Sc., LL.B. (Alig.).
				{	Abdul Wahid, M.Sc. (Alig.).
Biology	{	Zoology	...	{	Mohd. Fazil, M.Sc. (Panjab).
	{	Botany	...	{	Nawazish Ali, M.Sc. (Panjab).
				{	Hassan Din, M.Sc. (Lucknow), Demonstrator.

ORIENTAL LANGUAGES.

Arabic	...	...	...	{	Maulvi Muhammad Abdullah, H.P., H.A. (Panjab).
Persian	...	...	...	{	Syed Yusaf Ali Shah, M.A., M.O.L. (Panjab).
Urdu	...	...	...	{	Syed Yusaf Ali Shah, M.A., M.O.L. (Panjab).
Pashto	...	...	...	{	Maulvi Abdur Rahim, H.A., H.P. (Hons. in Pashto) (Panjab).
Islamic Theology	{	<i>Vacant.</i>

* * * * *

Master Sandeh Khan	...	{	Master of Sports and Physical Director.
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MEDICAL, GENERAL AND CLERICAL STAFF.

Major Dimond, I.M.S., Civil Surgeon.	{	Medical Adviser.
K.B. Mohd. Azeem Khan, M.B. (Panjab).	{	Assistant Surgeon, in charge of College Hospital.
Ahmad Ali Sadiq, M.A., LL.B. (Alig.).	{	Assistant Secretary.
Sh. Karam Elahi	...	College Accountant.
Sh. Fazal Karim	...	College Head Clerk.
Syed Rasul	...	Second Clerk.
Ahmad Hassan, B.A.	...	Librarian (Trained).

XXV.—THE SANATANA DHARMA COLLEGE, LAHORE.

The College is located in its own buildings on the Lower Mall, opposite the University Ground.

AIMS AND OBJECTS OF THE COLLEGE.

On the 15th of May, 1933, the Sanatana Dharma College completed its 17th year of useful work and service.

The chief aim of the College is the formation of character, according to the highest ideals of Sanatana Dharma. For this purpose it utilizes not only the teachings of the great thinkers of the past, but those of modern science as well.

RELIGIOUS AND MORAL INSTRUCTION.

Some periods are reserved weekly in the time-table for instruction in the basic principles of Sanatana Dharma and in its ethics. Dr. Raghubira, M.A., Ph.D. (London), D.Litt. et Phil. (Utrecht, Holland) a Sanskrit Scholar of international reputation, is in charge of the Department of Theology and Moral Education. He introduces the senior students to the teachings of Hindu Religion and Philosophy.

Pandit Jagdish Shastri (Panjab) imparts instruction in these subjects to our junior students.

Arts Faculty:—

Intermediate.—English, Sanskrit, Persian, History, Economics, Philosophy, Mathematics, Biology, Physics, Chemistry, Hindi, Urdu and Bengali. Arrangements have been made for the teaching of French.

B.A.—English, Sanskrit, Persian, History, Economics, Philosophy, A and B Courses of Mathematics, Hindi, Political Science, Urdu and Bengali.

M.A.—Sanskrit and Economics.

Science Faculty:—

Intermediate.—English, Mathematics, Physics, Chemistry, Biology (Medical and Non-Medical Groups), Hindi, Urdu and Bengali.

B.Sc.—Botany and Zoology (Honours School), Botany and Zoology (Pass Course).

Oriental Faculty:—

Visharad (High Proficiency in Sanskrit).
Shastri (Honours in Sanskrit).

The management of the College vests in the Principal under the direction of the College Managing Committee elected from among the members of the Sanatana Dharma College Society (a registered body).

The College receives an annual grant-in-aid of Rs. 20,000 from the Punjab Government.

His Highness the Maharaja of Jammu and Kashmir gives a grant of Rs. 1,000 per mensem.

The College Hostels called the "Saraswati Bhawan" and the "Sharada Niketan" are situated on the College premises. They provide accommodation for 213 boarders in 190 cubicles, 7 two-seated and 3 three-seated rooms, which are all electrically fitted. A tube-well gives an abundant supply of water for bathing and drinking purposes, and for the irrigation of playgrounds.

The new Hostel near Chauburji accommodates 100 students, in 88 cubicles and 4 dormitories.

The College Science Block was erected at a cost of nearly Rs. 55,000, and equipped at a further initial cost of Rs. 64,000. It is an artistic building, built in Hindu style, and is equipped according to modern requirements. It provides accommodation for 180 students in Physics, 120 in Chemistry and 60 in Biology. It is fitted with gas, water, electric light and fans.

The Sanskrit Block was put up for accommodating the Sanskrit Department of the College. It was completed in 1928 at a cost of Rs. 20,000 donated by H.H. the Maharaja Dev of Alwar. It comprises a set of four class-rooms. A set of five other class-rooms in continuation of the Sanskrit Block, named R.B. Sundar Das Chopra Block, was constructed in 1929.

The total value of the capital invested in College buildings and land is about Rs. 6,50,000.

ATHLETICS AND SPORTS.

The College has a spacious and well-equipped gymnasium. Cricket, hockey, football, tennis, volley ball and basket ball are the chief games played. There is a professor in charge of every game.

COLLEGE SCHOLARSHIPS.

Six scholarships of the value of Rs. 12 each are awarded according to merit to the students of the 3rd and 4th year classes and six others of the value of Rs. 10 each to the students of the 1st and 2nd year classes. Students taking up Sanskrit as one of their subjects are given preference in the award of these scholarships.

Two scholarships of the value of Rs. 16 p.m. are awarded to 5th and 6th year students who take up Sanskrit. M.A. students are paid scholarships for 19 months, i.e. from September to May and from September to June.

In addition to these, the Hon'ble R.B. Lal, Ram Saran Das, C.I.E., awards two scholarships of the value of Rs. 12 p.m. each, and Dewan Radhe Nath Kaul awards one of Rs. 10 p.m.

The above scholarships are awarded according to merit. One scholarship in the 1st year and one in the 3rd year class is awarded to a student who has taken up Sanskrit as one of his subjects; two scholarships in the 2nd year and two in the 4th year class are awarded to those who secure the highest number of marks with Sanskrit as one of their subjects.

Lala Asanand Memorial Scholarships.—Three scholarships of the value of Rs. 20 each are awarded to students of Sanatanist views reading for their B.A. Examination, and three others of the value of Rs. 15 each to Sanatanist students of this College.

Other Scholarships.—The Brahman Sabha, Simla, awards one scholarship of the value of Rs. 15 p.m. to a 3rd year student and two of Rs. 10 p.m. each to 1st and 2nd year students.

Rai Bahadur L. Rattan Chand's scholarship of Rs. 15 p.m. is awarded to a student of the 3rd year class.

Rai Bahadur Lala Shankar Dass Sondhi's scholarship of Rs. 15 p.m., two of Rs. 10 p.m. each and two more of Rs. 5 p.m. each are awarded to students of the 3rd year class.

Mr. B. P. Verma, Chief Engineer, Lahore, awards a stipend of Rs. 10 p.m. to a student of the 3rd year class.

The Jain Educational Sabha, Delhi, awards a scholarship of Rs. 10 p.m. to a student of the 1st year class.

The number of students on the College rolls on 31st March, 1933, was 624.

STAFF.

ARTS DEPARTMENT.

Principal :

P. N. Moulik, M.A., B.L. (Calcutta).

Sanskrit—

Ganesh Dutt Shastri, Mahamahopadhyaya.

Dr. Raghuvira, M.A. (Panjab), PH.D. (London), D.LITT. (Utrecht, Holland).

English—

P. N. Moulik, M.A., B.L. (Calcutta).

H. M. Das Gupta, M.A. (Calcutta).

Wadhawa Ram, M.A. (Panjab).

Purusharth Sarup, M.A. (Panjab).

R. M. Dogra, M.A. (Panjab).

Kailash Nath Sharma, M.A. (Panjab).

Ram Kumar Luthra, M.A. (History and Economics) (Panjab).

Bhagwant Rai, M.A., B.T. (Panjab).

Persian and Urdu—

C. R. Renjeu, M.A. (Panjab), M.R.A.S. (London).
Hira Lal Chopra, M.A. (Panjab).

French—

Madame A. Makeeff.

Hindi—

Mohan Dev, Shastri, B.A. (Panjab).

Bengali—

P. N. Moulik, M.A., B.L. (Calcutta).
H. M. Dass Gupta, M.A. (Calcutta).

Mathematics—

A. N. Ganguly, M.A. (Calcutta).
Hukam Chand, M.A. (Panjab).
Ram Kumar Luthra, M.A. (Panjab).

History—

Gulshan Rai, B.A., LL.B. (Panjab).
Ram Kumar Luthra, M.A. (Panjab).

Political Science—

Gulshan Rai, B.A., LL.B. (Panjab).
Ram Kumar Luthra, M.A. (Panjab).

Philosophy—

Nand Ram, M.A. (Panjab).

Economics—

Brij Narain, M.A. (Panjab and Calcutta).
Kailash Nath Sharma, M.A. (Panjab).

SCIENCE.

Chemistry—

Ram Krishna, M.Sc. (Panjab).

Physics—

Jai Kishan, M.Sc. (Panjab).

Biology—

Piyare Lal Anand, M.Sc. (Panjab).

DEMONSTRATORS.

Chemistry—

Dev Dutt, M.Sc. (Panjab).

Physics—

Shanti Sarup, M.Sc. (Panjab).

HEALTH AND PHYSICAL EDUCATION.

Purusharth Sarup, Professor in charge.

Nirmal Singh, Director, Physical Education.

SANSKRIT COLLEGE.

Vedas and Sahitya—

Parmeshwara Nand, Shastri (Panjab), Sanataka,
(Rishikul), Head Pandit.

Sanskrit Literature—

Hira Nand, Shastri (Panjab).

Vyakarana—

Jagdish Dutt, Shastri (Panjab).

Darshana and Hindi—

Mohan Dev, Shastri, B.A. (Panjab).

ESTABLISHMENT.

Office—

1. Bhagat Ram Chudda, Head Clerk and Accountant.
2. Bishan Das Lakhanpal, Second Clerk.
3. Bihari Lall Sharma, Assistant Clerk.
4. Anant Ram, Hostel Clerk.

Library—

5. Harbans Lall, B.A., Librarian.
6. Suroj Parkash, Assistant Librarian.

XXVI.—DAYANAND ANGLO-VEDIC COLLEGE. JULLUNDUR CITY.

1. The D.A.-V. College, Jullundur City, founded in 1918 in the sacred memory of Shri Swami Dayanand Saraswati, the founder of the Arya Samaj, is housed in its new magnificent

buildings on the Grand Trunk Road, at a mile's distance from the city.

2. The Institution prepares students for the Intermediate standard of the Panjab University on the Arts and Science Faculty in Physics and Chemistry side. It teaches English, Mathematics, History, Philosophy, Economics, Sanskrit, Persian, Hindi, Urdu, Physics and Chemistry. Religious instruction on Vedic principles as expounded by Shri Swami Dayanand Saraswati is imparted. B.A. classes were started in 1929, and affiliation in English, Sanskrit, Persian, History, Economics, Political Science, A and B Courses of Mathematics, Hindi and Urdu was granted by the University. Honours classes are held in English, Mathematics and Sanskrit.

3. The governing body of the institution consists of a Sub-Committee of the D.A.-V. College Managing Committee, Lahore.

4. Government, University and all other scholarships are tenable in the College.

5. There is a hostel on the College premises with 62 cubicles and 25 dormitories. A decent bungalow in a garden just opposite the College is also added. Total accommodation in the hostel now comes up to 190. All rooms are fitted with Electricity. Congregational prayers are performed in the evening. The Superintendent resides on the College premises.

A Tube Well is sunk and a bath room added.

6. The Lajpat Rai Library contains a spacious Reading Room, furnished with newspapers and monthly journals. The tutorial system is in force in the College. Encouragement is given to seminary work in English. The College has its own organ entitled the *D.A.-V. College Jullundur Magazine*.

7. The College maintains Hansraj Historical Club, Philosophical Club, the Science Association and Devi Dayal Mathematical Society which celebrate their annual sessions.

8. The Science Block, known as 'the Lakhpat Rai Science Block' is quite an up-to-date Laboratory attached to the College.

The number of students on the College rolls on 31st March, 1933, was 680.

STAFF.

- | | |
|---|-------------------------|
| 1. Pt. Mehr Chand, B.A. (Panjab). | } Honorary Principal. |
| 2. G. Kar, M.A., PH.D. (Calcutta). | |
| 3. L. Dev Raj Sud, M.A. (Panjab), Patiala-Sime Gold Medallist, R.S.M. Gulab Singh-Denzil Ibbetson Diamond Jubilee Prizeman. | } Professor of English. |
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|---|---|--|
| 4. Mr. H. M. Das Gupta, M.A.
(Calcutta), Regina Guha
Gold Medallist. | } | Professor of English. |
| 5. L. Balwant Rai Beri, M.A.,
LL.B. (Panjab). | | Professor of English. |
| 6. <i>Vacant</i> ... | } | Professor of English. |
| 7. L. Bansilal, M.A. (Panjab),
B.A. (Hons. School). | | Professor of Mathematics. |
| 8. L. Kishan Chand, M.A. (Panjab). | } | Professor of Mathematics. |
| 9. L. Ram Lal Bhatia, M.A.
(Panjab), B.A. (Hons.)
(C.H.S.). | | Professor of Economics. |
| 10. L. Gian Chand, M.A. (Panjab). | } | Professor of History. |
| 11. Pt. Ram Chandra, M.A.
(Panjab), B.A. (Economics
Honours). | | Professor of Sanskrit. |
| 12. Pt. Durga Datt, Shastri,
M.A., M.O.L. (Panjab). | } | Professor of Sanskrit and
Hindi. |
| 13. L. Faqir Chand, M.A. (Panjab). | | Professor of Philosophy. |
| 14. Maulvi Mohd. Abdullah,
Maulvi Fazil, Munshi
Fazil (Panjab). | } | Professor of Persian and
Urdu. |
| 15. Pt. Nand Kishore, B.A.
(Hons.), M.A., M.O.L. (Panjab),
H.P., H.U. (Panjab). | | Professor of Persian and
Urdu. |
| 16. Pt. Mela Ram, Shastri
(Panjab). | } | Professor of Hindi. |
| 17. L. Amolak Ram Soni, M.Sc.
(Panjab), B.Sc. (Physics
Honours). | | Professor of Physics. |
| 18. Pt. Amba Parshad Kashyap,
M.Sc. (Panjab), B.Sc.
(Chemistry Honours), B.T. | } | Professor of Chemistry. |
| 19. L. Mohan Lal, B.Sc. (Hons.
School) (Panjab). | | Demonstrator. |
| 20. <i>Vacant</i> ... | } | Second Demonstrator. |
| 21. L. Parma Nand, M.A. (Panjab). | | Professor of Economics and
History. |
| 22. Pt. Ram Nath Sharma,
Trained at Madras. | } | Physical Director. |
| 23. Pt. Suraj Prasad ... | | Gatka Instructor. |
| 24. L. Shiv Dayal ... | } | Clerk and Accountant. |
| 25. Pt. Gurdas Ram ... | | Second Clerk. |
| 26. Pt. Lahori Ram ... | } | Librarian. |
| 27. Pt. Daulat Ram ... | | Clerk. |

XXVII.—DAYANAND ANGLO-VEDIC COLLEGE, RAWALPINDI.

The College which was opened on 11th May, 1920, is the result of the expansion of the D.A.-V. High School, Rawalpindi, founded in March, 1899. It is affiliated in the Arts and Science faculties in English, Mathematics, Philosophy, History, Persian, Sanskrit, Economics and Physics and Chemistry.

The College building includes a big Assembly Hall, eight Lecture rooms, and Physics and Chemistry Laboratories, Library and Reading room, Staff room and Office room. The Hostel is situated on the Murree Road. Besides the Principal a special warden lives on the premises and looks after the health and studies of the students. The whole building is fitted with electric light. A bath-room has now been added.

The College maintains a library and grounds, and has the privilege of availing itself of a well-equipped Hospital run by Arya Samaj.

The Committee offers scholarships to deserving students.

The total number on the rolls of the College on 31st March, 1933, was 414 including 198 in the Matric Classes.

STAFF.

1. L. Ram Ditta Mal, B.A., Principal and Professor of History.
2. L. Hari Mal, B.A. (Hons.), B.T., Vice-Principal and Lecturer in Mathematics.
3. L. Jaswant Rai, M.A., Lecturer in English.
4. Pt. Ishwar Chandra, M.A., Lecturer in Philosophy.
5. Pt. Vidya Rattan, M.A., Lecturer in Sanskrit.
6. L. Daulat Ram, M.Sc., B.T., Lecturer in Chemistry.
7. L. Vidya Bhushan Anand, M.Sc., Professor of Physics.
8. L. Balinder Nath, M.Sc., Demonstrator.
9. L. Banarsi Das, M.A. (Panjab), Lecturer in Persian.
10. L. Shiv Das, M.A. (Calcutta), B.T., Lecturer in Economics.
11. Pt. Vishwa Nath, M.A., Lecturer in English.
12. L. Kishan Dial, s.v., Professor of Urdu.
13. Pandit Hari Nand Shastri, Lecturer in Theology and Hindi.
14. Bakshi Kalyan Das, B.A., Physical Director.
15. L. Krishan Lal Vohra, Head Clerk.
16. Dr. Kishor Chand, M.B.B.S., Medical Adviser.
17. L. Yagya Datta, B.A., Librarian.
18. S. Harbans Singh, Gyani, B.A.

XXVIII.—LUDHIANA GOVERNMENT COLLEGE, LUDHIANA.

Ludhiana College, Ludhiana, was opened on 1st May, 1920. In April, 1927, it was converted into a four-year institution remained as Government Intermediate College, Ludhiana. From June, 1932, it has become a Degree College.

The College is affiliated for Intermediate classes in Arts and Science in which provision has been made for teaching English, Mathematics, History, Philosophy, Sanskrit, Arabic, Persian, Physics, Chemistry, Biology and the Vernaculars. Up to the B.A. standard it is affiliated in English, Mathematics, History, Economics, Philosophy, Arabic, Persian, Sanskrit, Physics, Urdu, Hindi and Panjabi. There are also Government Post-Matric. Clerical and Commercial classes attached to the College, and the College further provides short extra courses in preparatory Engineering, Army and in English Conversation.

Since June, 1927, the College has moved to the new spacious buildings built on an extensive site of 50 acres just outside the Civil Lines. The College buildings now include excellent Science Laboratories, Hall, Hostel, Playing fields and an Agricultural Farm.

The Hostel is under the charge of a senior member of the staff who resides on the premises. There is a second Hostel in a rented building close to the College. The fees are according to the usual scale in Government Colleges.

The Principal has power to grant fee concessions to a limited number of poor and deserving students. Two municipal scholarships are awarded annually tenable at the College. Other scholarships are also tenable.

Cricket, Football, Hockey, Basket Ball and Volley Ball are played regularly, and physical training and athletics are compulsory. Besides physical education the College pays special attention to character training, practical work by the students themselves in all subjects, and the development of wider tastes and interests than is provided by the University courses alone. To these ends the assignment, seminar and tutorial methods are in force to a considerable extent, frequent excursions are arranged, and opportunities given to the students for training in the management of their own affairs, and for social service in the College and District. Literary and Debating, Science, Civics, Musical, Dramatic, Photographic, Natural History, and other societies flourish, as also a Rover Crew. Agriculture, Fruit Culture, and Gardening are also encouraged as useful hobbies. The Tutorial Group system is in force.

The College contains a good Library and a Reading Room well furnished with newspapers and periodical journals. It also publishes its own organ, the *Ludhiana College Magazine*.

The number of students on the College rolls on 31st March, 1933, was 353.

STAFF.

1. A. C. C. Hervey, Esq., M.A. (Cantab.), I.E.S., Principal.
2. Mr. Sita Ram Kohli, M.A. (Panjab), Lecturer in History.
3. S. Shivcharan Singh, M.Sc. (Panjab), P.E.S., Lecturer in Physics.
4. L. Bhagwan Das Bahl, M.A. (Panjab), P.E.S., Lecturer in English.
5. Dr. D. R. Bhatia, Ph.D. (Cantab.), M.Sc. (Panjab), P.E.S., Lecturer in Biology.
6. Mr. Ugra Sen, M.A., P.E.S., Lecturer in English.
7. Mr. Ghulam Abbas Khan, M.A. (Panjab), P.E.S., Lecturer in Mathematics.
8. L. Lekh Raj Puri, M.A. (Panjab), P.E.S., Lecturer in Philosophy.
9. M. Mohd. Sibtain, H.A., H.P. (Panjab), Lecturer in Arabic and Urdu.
10. Mr. A. M. Daula, M.A. (Panjab), Lecturer in History.
11. L. Lall Chand Gupta, M.A. (Panjab), Lecturer in Mathematics.
12. Dr. Rashid Ahmed, M.A., Ph.D. (London), B.T., M.F.C.E., Lecturer in Philosophy and Engineering.
13. Pt. Faqir Chand, M.A., B.T. (Panjab), Lecturer in Sanskrit and Hindi.
14. S. Hardyal Singh, M.A. (Panjab), Lecturer in English and Panjabi.
15. S. Nihal Singh, M.Sc. (Panjab), B.T., Lecturer in Chemistry.
16. Mr. Kewal Krishan Dewett, M.A. (Panjab), B.Com. (Bombay), Lecturer in Economics.
17. Mr. F. M. Khan, M.Sc., B.T. (Alig.), Lecturer in Chemistry.
18. L. Gopal Das Sehgal, M.A. (Panjab), Lecturer in English.
19. Mr. Shabbir Ahmad Qari, M.Sc. (Panjab), Lecturer in Physics.
20. Mr. N. K. Banerjee, B.A., B.T., Lecturer in Mathematics and Hindi.
21. Mr. Mohd. Husain Butt, M.A., M.O.L., B.T., H.P. (Panjab), Lecturer in Persian.
22. I. Ishwar Das Mehra, L.A.G. (Lyallpur), Lecturer in Agriculture.
23. S. Thakur Singh, B.A. (Panjab), S.A.V., Physical Training Supervisor.
24. S. Hardit Singh, B.Sc. (Panjab), S.A.V., Demonstrator.
25. Mr. Nabi Bakhsh Kalasan, B.A., B.T. (Panjab), Lecturer in Mathematics and Urdu.
26. L. Sakhia Ram, S.D., Instructor in Arts and Crafts.
27. H. Azimat Ali Khan, S.G.C., Gymnastic Instructor.

XXIX.—MULTAN COLLEGE, MULTAN.

1. The Multan College, Multan, was opened on 15th May, 1920. It is affiliated to the University of the Panjab for the Intermediate in both Arts and Science including "Medical Group". A one-year Post-Matric. Clerical and Commercial Class is also attached to this College.

2. The "Jiwan Lal-Anderson Silver Medal", founded by Pandit Jiwan Lal Rais, is awarded to the College student who stands first in Biology in the University Examination.

3. The College is housed in a building standing on extensive grounds. The Physical Science wing has now been extended and a laboratory for Biology has been added. A new hostel which can accommodate 100 boarders has been built. Besides the Principal one senior lecturer lives on the College premises.

4. The hostel is under the charge of a whole-time Superintendent who also supervises games and advises students in physical culture. Some of the attractive features of the hostel are a swimming tank, five courts and tennis lawns, and a common room for indoor games.

The number of students on the College rolls on 31st March, 1933, was :—

Class.

I Year Intermediate	133
II Year Intermediate	122
P.M. Class	23

GRAND TOTAL	278
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STAFF.

1. Mian Mohd. Ibrahim, M.A. (Allahabad), P.E.S.	}	Principal and Lecturer in Mathematics.
2. Iala Sada Nand, B.A., M.SC. (Panjab), P.E.S. ...		Lecturer in Physics.
3. Mirza Mohammad Rashid, M.A. (Panjab), P.E.S.	}	Lecturer in English.
4. P. Ganpat Rai, M.A. (Panjab), P.E.S.		Lecturer in Sanskrit and English.
5. S. Suchdev Singh, M.SC. (Panjab), P.E.S.	}	Lecturer in Chemistry.
6. Mr. M. L. Ghose, B.A. (Panjab).		First Clerical and Commercial Master, Post-Matric. Clerical and Commercial Class.
7. Bhai Dalip Singh ...		Teacher of English.
8. M. Jamal-ud-Din Ahmad, B.A., B.T. (on deputation in Afghanistan),		

9.	L. Gopal Das Khanna, M.A. (Panjab).	Teacher of English (under training).
10.	L. Harbans Rai Mehta, M.A., B.T. (Panjab).	Teacher of History.
11.	Mr. Mohd. Nazir, M.O.L.V.C., B.A., B.T., F.R.G.S.	Teacher of Geography.
12.	Pt. Ram Parshad, M.A. (Panjab).	Teacher of Mathematics.
13.	L. Balkishan Mullik, M.Sc. (Panjab).	Teacher of Biology.
14.	Sh. Taj Mohd., M.A. (Panjab).	Teacher of Philosophy and Urdu.
15.	Pt. Balmokand, B.COM. (Lucknow University).	Second Clerical and Commercial Master, Post-Matric Clerical and Commercial Class.
16.	M. Abdul Aziz Quaraishi, M.A. in Arabic (Panjab), M.A. in Persian and Urdu (Bombay), Munshi Fazil.	Teacher of Arabic and Persian.
17.	L. Hira Lal Anand, M.Sc. (Panjab).	Teacher of Physics and Chemistry.
18.	Sh. Mohammad Yusaf, F.A., P.T.I.	Superintendent, Hostel, Games Supervisor and Teacher of Physical Education.
19.	L. Radha Krishna ...	Head Clerk.
20.	L. Raim Narain ...	Second Clerk.
21.	L. Tulsi Das ...	Junior Lecture Assistant.

XXX.—THE LAHORE COLLEGE FOR WOMEN, LAHORE.

The Lahore College for Women was opened in May, 1922, to provide education for women to a higher standard than that prevailing in schools.

The College is affiliated to the Panjab University for B.A. in the following subjects: English, History, Mathematics, Philosophy, Sanskrit and Persian; and in the B.Sc. for Chemistry and Botany. There are also Intermediate classes in Arts in the following subjects: English, History, Philosophy, Mathematics, Persian, Sanskrit, Urdu, Hindi and Panjabi. In the F.Sc. Class, the subjects for the Medical group are taken.

The Physical and Chemical laboratories are situated on the ground floor with a joint lecture room and the Botanical and Zoological laboratory and lecture room are on the first floor on

the north side of the building where the light is exceptionally good.*

The College is purdah, but open to Indian women of every religion. The lecture rooms are large and airy. A good library is being collected. There is a Boarding House attached to the College in charge of a lady Warden. There are separate Hindu and Muhammadan kitchens. The grounds of the College comprise a Basket Ball Pitch, two Tennis courts, four Badminton courts and a drill ground for physical exercise. The grounds contain a tube well, which supplies water for irrigation besides supplying the buildings.

Government scholarships are tenable at the College.

The College had 144 students on its roll on 31st March, 1933, and 63 students in the Boarding House.

STAFF.

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|--|---|
| 1. Miss G. Harrison, B.A.
(Hons.) (London), London Diploma in Pedagogy. | } Principal. |
| 2. Miss S. E. Tomlinson, M.Sc. (Belfast). | |
| 3. Miss T. M. Wright, B.A.
(Hons.) (London), London Diploma in Pedagogy. | } Lecturer in Physics and Mathematics. |
| 3A. Miss L. H. Wilkes, B.A.
(Hons.), London. | |
| 4. Pir Mohd. Hussain, M.A.,
M.O.H., H.P. (Gold and Silver Medallist), H.A.
(<i>offg.</i>). | } Lecturer in History. |
| 5. Miss I. Sant Singh, B.A.,
B.T. (Panjab). | |
| 6. Miss S. Singha, M.A. (Panjab). | } Lecturer in English and History. |
| 7. Mrs. Henry Lal, B.A.
(Panjab). | |
| 8. Miss K. Hari Singh, B.Sc.
(Panjab), First Professional M.B.B.S. | } Lecturer in Oriental Languages. |
| 9. Miss Gladys Johnson, B.A.
(Madras). | |
| 10. Shrimati Satyavati Shastri. | } Lecturer in Mathematics. |
| 11. Miss E. Peters, B.A. (Panjab). | |
| 12. S. Baldev Singh, B.A.
Gyani. | } Lecturer in Philosophy. |
| 13. Mrs. Jones | |
| | } Lecturer in English and History. |
| | |
| | } Lecturer in Science. |
| | |
| | } Lecturer in Science. |
| | |
| | } Lecturer in Hindi and Sanskrit. |
| | |
| | } <i>Officiating.</i> |
| | |
| | } Lecturer in Panjabi,
(<i>temporary</i>). |
| | |
| | Warden. |

XXXI.—THE VEDIC BHRATRI COLLEGE, DERA ISMAIL KHAN.

1. The College was opened on the 23rd May, 1921. It is an aided Institution with the Hon'ble the Chief Commissioner of the North-West Frontier Province as its Patron.

2. It has been started under the auspices of the Bhratri Sabha, a society registered under the Charitable Societies' Act of 1867, and formed more than forty years ago, with the double object of encouraging social reform and advancing the cause of Education. In commemoration of the Jubilee of Her Most Gracious Majesty Queen Victoria the Good, the Society founded, in 1887, the Victoria Bhratri High School, which is the biggest school in the Province, with 784 students on its rolls.

3. The management of the College is vested in a Council consisting of nine gentlemen, seven of whom are elected by the Bhratri Sabha, from amongst those of its fellows who have contributed at least rupees one thousand towards the funds of the College, and two are nominated by the Local Government.

4. The College is affiliated to the Panjab University up to the Intermediate Standard in English, Mathematics, Philosophy, Economics, History, Sanskrit, Arabic, Persian, Urdu, Hindi and Physics and Chemistry (non-medical group).

One period every day is reserved for religious instruction, for Hindus and Mohammedans separately, attendance being compulsory.

5. The expenses of the College are met from (a) Interest on the Endowment Fund, (b) Government Grant-in-aid, (c) Fees, and (d) Donations.

6. The College has secured eleven Scholarships for its students out of which three are awarded by the Frontier Bank and two by the Municipal Committee.

7. The College has an electrically fitted commodious Hostel, with separate blocks of rooms, Kitchens, Dining Halls and Laboratories for the use of the Hindu and Mohammedan Boarders.

8. Commodious quarters for the Principal and the Professor in charge of the Hostel have recently been erected within the premises.

9. Three Tennis Courts, a Gymnasium, a Practice-field for Hockey and for other Field and track games, have been provided. Basket Ball and Volley Ball have also been introduced.

A big plot of land adjacent to the College compound has been acquired through the Government for full-sized Football, Hockey, and Cricket fields.

10. The College has got a decent Library and a Reading Room for the use of the students.

There were 73 (seventy-three) students on the College rolls on 31st March, 1933.

STAFF.

Principal and Professor of English	...	...	Kundan Lal Khanna, Esq., M.A. (Panjab).
Lecturers in English	..	{	The Principal. L. Wishan Das Kalra, B.A. (Hons.), M.A., B.T. (Panjab).
Lecturer in Mathematics	...	{	L. Bhagwan Das Kathuriya, M.A. (Panjab), Senior Profes- sor.
Lecturer in History	...		L. Wishan Das Kalra.
Lecturers in Economics	...	{	The Principal and Professor Ganga Bishan.
Lecturer in Philosophy	...	{	L. Ganga Bishan, M.A. (Pan- jab), M.R.A.S. (London), F.R.E.S. (London).
Lecturer in Persian, Arabic and Urdu	...	{	M. Abdul Jabbar Ansari, H.A., H.P. (Panjab), with English qualifications.
Lecturer in Sanskrit and Hindi	...	{	L. Dharam Datta Shastri, B.Sc., M.A., M.O.L.
Lecturer in Chemistry	...	{	L. Dewan Chand Bahl, M.Sc. (Panjab).
Lecturer in Physics	...	{	L. Notan Das Ailawadi, M.Sc. (Panjab), B.T. (Panjab).

XXXII.—RAMSUKH DAS COLLEGE, FEROZEPURE CITY.

The College is founded by Lala Gowardhan Das, B.A., Advocate, Ferozepore City, in pursuance of the last expressed wishes of his father, the Late Lala Ramsukh Das, Pleader.

It was opened in the year 1921 and was affiliated in the Intermediate Arts in English, Philosophy, History, Mathematics, Sanskrit, Persian, Arabic, Hindi, Urdu, Panjabi, etc., till May, 1932. From June, 1932, it has been raised to the Degree Standard. It is now a First Grade Institution, affiliated in all four classes in English, Philosophy, History, Economics, Mathematics, Sanskrit, Arabic, Persian and Vernacular.

The College is housed in its own building to which four new rooms have been added and has a newly-built Hostel attached to it, consisting of 34 cubicles in all. The upper storey consisting of ten newly-built cubicles has been added to the Hostel. And to meet the growing demands of the residential students it is proposed to add ten more cubicles.

The founder has endowed the College with 12 Scholarships of Rs. 6 each which are awarded to the poor and deserving students.

The College makes provision for Hockey, Football, Volley Ball, Gatka, Badminton, Tennis, Boxing, Playground Ball, Basket Ball, Gymnasium, etc. A new Madras Trained and well-qualified Teacher of Physical Education is in charge of all these games.

The management of the Institution is vested, by a registered Trust Deed, in the Ramsukh Das College Trust Committee consisting of nine members including the founder, Lala Gowardhan Das, as life-president. Four out of these nine members are exclusively returned by the registered body of the Dev Samaj.

The endowed property is vested permanently and absolutely in the Trustees collectively for the purpose of the Trust.

The College has a Library, Reading room and Common room. A Trained graduate is in charge of the Library. Also there are Mathematical, Philosophical, Historical, Arabic, Panjabi, Sanskrit and Persian Associations, College Union and Tutorial Groups.

In order to create interest among the students and the staff the *Ramsukh Das College Magazine* is published. To look after the health of the students services of a distinguished Assistant Surgeon have been secured. He visits the Boarding House free. Medical Examination of all students has been made compulsory.

Besides bringing higher education within the reach of the students, the College specialises in promoting higher character in the lives of the students. The number of the students in four classes on the 31st March, 1933, was 268.

STAFF.

1. Principal	...	...	{ P. V. Kanai, Esq., M.A., LL.B. (Bombay).
2. Moral Instruction	...	...	{ 1. P. V. Kanai, Esq., M.A., LL.B. (Bombay). 2. Des Raj Wadhawan, Esq., M.A. (Panjab).
3. English	...	...	{ 1. S. S. Bhatia, Esq., M.A. (Panjab). 2. Nand Kishore Aggarwal, Esq., M.A. (Delhi), B.Sc. (Panjab).
4. Mathematics	...	...	{ 1. Des Raj Wadhawan, Esq., M.A. (Panjab). 2. D. B. Aggarwal, Esq., M.A. (Panjab).

5. Philosophy	...	..	{ P. V. Kanai, Esq., M.A., LL.B. (Bombay).
6. History	...	...	{ 1. Faqir Chand Arora, Esq., M.A. (Panjab). 2. P. C. Malhotra, Esq., M.A. (Panjab).
7. Economics	...	...	{ P. C. Malhotra, Esq., M.A. (Economics and History) (Panjab).
8. Sanskrit	...	...	{ B. B. Shastri, Esq., M.A., M.O.I. (Panjab).
9. Arabic	...	...	{ Qazi Ahmad Ullah Qureshi, H.A., H.P. (Panjab).
10. Persian	...	...	{ Faizul-Hasan Hamadane, Esq., M.A., M.O.L. (Panjab).
11. Hindi	...	...	{ B. B. Shastri, Esq., M.A., M.O.L. (Panjab). 1. Qazi Ahmad Ullah Qureshi, H.A., H.P. (Panjab).
12. Urdu	...	...	{ 2. Faizul-Hasan Hamadani, Esq., M.A., M.O.L. (Pan- jab).
13. Physical Education	...	{	K. S. Akali, Esq. (Madras Trained).

OFFICE.

1. Clerk	...	...	L. Babu Ram.
2. Librarian	...	...	{ Shiv Chand, Esq., B.A. (Panjab) Trained.
3. Assistant Librarian	...	...	Bava Amar Singh.

MEDICAL OFFICER.

Dr. Babu Lal Malhotra, M.B.B.S. (Panjab).

XXXIII.—GURU NANAK KHALSA COLLEGE, GUJRANWALA.

1. The College provides instruction in the following subjects :—

(a) Sikh Theology.

(b) Intermediate Arts Faculty :—

English, Mathematics, History, Philosophy, Economics,
Persian, Sanskrit, Arabic, Panjabi, Hindi and Urdu.

(c) Science Faculty (F.Sc.) :—

English, Mathematics, Chemistry, Physics, Panjabi, Hindi and Urdu.

2. The College is maintained by fees, interest from endowments supplemented by monthly and other subscriptions. The Institution is chiefly designed for the higher education of the Sikhs, but students of all communities are admitted to the College without the least distinction of caste or creed. Satisfactory arrangements have been made for outdoor games. College boarders are accommodated in a commodious building. There is a Library and Reading Room attached to the College. The general management of the Institution is in the hands of a Managing Committee subject to the control of the Khalsa Educational Council, Gujranwala.

The number of students on the College rolls on 31st March, 1933, was 230.

STAFF.

Principal	...	...	{ Bawa Harkrishan Singh, M.A. (Panjab).
1. Sikh Theology	...	...	{ Bhai Narain Singh, M.A. (Panjab).
			{ Bawa Harkrishan Singh, M.A. (Panjab).
2. English	...	...	{ Dr. Hukam Singh Sodhi, M.A. (Panjab), PH.D. (London).
			{ Sufi Abdul Aziz, M.A., M.O.L. (Panjab).
3. Mathematics	...	...	{ Bhai Narain Singh, M.A. (Panjab).
4. History	...	...	{ Bawa Narain Singh, B.A. (Hons.), M.A., LL.B. (Panjab).
5. Philosophy	...	...	{ Dr. Hukam Singh Sodhi, M.A. (Panjab), PH.D. (London).
6. Economics	...	...	{ Bawa Narain Singh, B.A. (Hons.), M.A., LL.B. (Panjab).
7. Sanskrit	...	...	{ Pt. Parshotam Datt, Shastri (Panjab).
8. Persian, Arabic	...	...	{ Sufi Abdul Aziz, M.A., M.O.L. (Panjab).
9. Physics	...	...	{ Bhai Harnam Singh, M.Sc., LL.B. (Agra).
10. Chemistry	...	...	{ Bhai Sher Singh, M.Sc. (Panjab).
11. Panjabi	...	...	{ Bhai Narain Singh, M.A. (Panjab).
12. Hindi	...	...	{ Pt. Parshotam Datt, Shastri (Panjab).

13. Urdu	...	...	{ Sufi Abdul Aziz, M.A., M.C.L. (Panjab).
14. Librarian and Clerk	...	...	{ Bhai Jawand Singh.
15. Medical Adviser	...	...	{ Dr. Mahan Singh, S.A.S.
16. Physical Instructor	...	...	{ Bhai Hartirath Singh.

XXXIV.—HINDU SABHA COLLEGE, AMRITSAR.

The College is a four-year institution comprising the high and the Intermediate Classes, and has been started by the Hindu Sabha, Amritsar. It is managed by a Committee of 21 members. It is primarily intended for the benefit of the Hindus, but is open for admission to students of other communities.

The College has a very big compound enclosed on all sides and consists of a big hall and 17 side rooms all fitted with electricity. The Playgrounds are situated in the Aitchison and Alexandra Parks.

The College is affiliated to the University of the Panjab in both the Arts and Science Faculties, and provides instruction in the M.S.L.C. and in the Intermediate in English, Mathematics, Sanskrit, History, Economics, Persian, Philosophy, Biology, Physics and Chemistry.

The hostel is in a commodious bungalow in the Civil Station and is fitted with electricity.

The number of students on the College rolls on 31st March, 1938, was 631.

STAFF.

1. Principal and Professor of English Literature	{	K. L. Bhatia, Esq., M.A., B.Sc. (Panjab).
2. Vice-Principal and Lec- turer in Sanskrit and Hindu Theology	{	Pt. Arjuna Natha Mattu, M.A. (Panjab), M.R.A.S. (London).
3. Lecturer in English	{	Pt. Birj Mohan Lal Tikoo, (Trained S.A.V. 1st grade cer- tificate), B.A. (Panjab).
4. Lecturer in Mathematics	{	L. Ram Chandra Kushva, B.A. (Hons.) (Panjab), M.A. (Pure Mathematics) (Calcutta).
5. Lecturer in History (English and Indian)	{	Daya Kishen Kapoor, Esq., M.A. (Panjab).
6. Lecturer in Persian and Urdu	{	Manmohan Lal Mathur, Esq., B.A. (Hons.) (Delhi), M.A. (Panjab), M.R.A.S. (London), M.A.O.S. (N.Y.).

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| 7. Lecturer in Economics (part-time) ... | } | Mast Ram Jain, Esq., M.A., LL.B. (Panjab). |
| 8. Lecturer in Philosophy | | Lala Mula Mal, M.A. (Panjab). |
| 9. Additional Lecturer in English (<i>temporary</i>) ... | } | S. Harbans Singh, M.A., B.Sc. (Hons.) (Panjab). |
| 10. Lecturer in French ... | | P. P. Syal, Esq., B.A. (History, Philosophy and in French Subsequently, 1932). |
| 11. Lecturer in English, History and Geography ... | } | Pt. Dwarka Nath, B.A., B.T. (Panjab). |
| 12. Lecturer in Mathematics | | K. C. Dhir, Esq., B.A. (Panjab), F.B.I., F.R.G.S. (London), M.B.T. (Kent). |
| 13. Lecturer in Sanskrit, Hindi and Theology ... | } | Pt. Hira Lal, Shastri (Panjab), Vidyabhushan (Special Certificate). |
| 14. Lecturer in Mathematics | | S. Atma Singh, B.A., B.T. (Panjab). |
| 15. Lecturer in Persian and Urdu ... | } | P. Harnam Dass, s.v. (Permanent Certificate). |
| 16. Drawing Master ... | | S. Gurdit Singh (Special Certificate). |

SCIENCE DEPARTMENT.

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|----------------------------------|---|---|
| 1. Lecturer in Chemistry ... | } | Pt. Mehr Chand, M.Sc. (Chemistry) (Panjab). |
| 2. Lecturer in Biology ... | | Chaman Lal Sawhney, Esq., B.Sc. (Hons. School), M.Sc. (Zoology) (Panjab). |
| 3. Lecturer in Physics ... | } | Mr. Vishnu Datta, M.Sc. (Physics) (Panjab). |
| 4. Lecturer in Science ... | | Mr. Des Raj, M.Sc. (Chemistry) (Panjab). |
| 5. Lecturer and Demonstrator ... | } | Mr. Mohan Lal Bery, B.A. (Panjab), F.I.C.S. |

DEPARTMENT OF PHYSICAL TRAINING.

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| 1. Physical Director ... | } | L. Narain Dass Bali, B.A. (P.U.), Qualified as a Director of Physical Education, Madras (1st class). |
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XXXV.—GOVERNMENT INTERMEDIATE COLLEGE, LYALLPUR.

The Government Intermediate College, Lyallpur, was opened on 1st May, 1924. Besides preparing the students for the M.S.L.C. Examination of the Panjab University, the College is affiliated to the Panjab University up to the Intermediate in Arts (including Geography) and Science (Medical and Non-Medical). A one-year Post-Matric. Clerical and Commercial class is also attached to the College. The number of students on the College rolls on 31st March, 1933, was 354. Co-education was started in 1931 in the Intermediate classes and has proved a great success.

The College is housed in a large building and has extensive grounds. It has two hostels attached to it under the personal supervision of a senior and a junior member of the staff. The College has also a U.T.C. Platoon of its own.

STAFF.

1. Chetan Anand, Esq., M.A., LL.B., P.E.S. (Panjab), Principal and Lecturer in Physics.
2. Lala Ishwar Chandra Nanda, M.A. (Panjab), B.A. (Oxon), P.E.S., Lecturer in English.
3. S. Saadat Ali Shah, M.A. (Panjab), P.E.S., Lecturer in English.
4. Lala Ram Bheja Mal Seth, M.Sc. (Panjab), P.E.S., Lecturer in Chemistry.
5. Lala Hans Raj Aggarwal, M.A. (Panjab), Teacher in Sanskrit.
6. S. Panjab Singh, M.A. (Panjab), Teacher in Mathematics.
7. Sh. Khadim Mohyed Din, B.A., B.T. (Panjab), M.Ed (Leeds), Teacher in English.
8. Lala Bansi Lal, M.A., B.T., LL.B. (Panjab), Teacher in Mathematics.
9. M. Hashmat Khan, M.A. (Panjab), Teacher in History.
10. M. Zia Mohammad, M.A., B.T. (Panjab), Teacher in Persian.
11. M. Mohd. Abdullah, M.A., B.T. (Panjab), Teacher in Arabic.
12. S. Hardayal Singh Sodhi, M.Sc. (Panjab), Teacher in Biology.
13. L. Arjan Das Jethi, B.Com. (Bombay), Clerical and Commercial Master.
14. Lala Ram Avtar, B.A., B.T. (Panjab), Teacher in Geography.

15. Lala Vidya Dhar Mahajan, M.A. (Panjab), Teacher in English.
16. Mr. Reuben Das, M.A., B.T. (Panjab), Teacher in Philosophy.
17. B. Budh Singh, B.A., B.T. (Panjab), Teacher in Panjabi.
18. Pt. Surrendra Mohan Dattatreya, M.A., B.T. (Panjab). Teacher in English.
19. S. Amar Singh Malik, M.Sc. (Panjab), Teacher in Chemistry.
20. M. Mohd. Azam, M.Sc. (Panjab), Teacher in Chemistry.
21. Lala Sadhu Ram Aggarwal, Clerical and Commercial Master.
22. S. Wadhawa Singh, Physical Training Supervisor and Assistant Superintendent.
23. M. Mohammad Hussain, Drawing Master.

XXXVI.—GOVERNMENT INTERMEDIATE COLLEGE, GUJRAT.

This four-year institution was started on the 1st of May, 1924. The College has been granted affiliation up to the F.A. and F.Sc. standards in English, Mathematics, History, Philosophy, Persian, Arabic, Sanskrit, Physics and Chemistry and optional papers in Urdu, Hindi and Panjabi.

Besides the usual academic activities, the interest of the students is aroused in such recreative occupations as Gardening, Drawing, the Boy Scout Movement, First Aid, Home Hygiene and other kindred activities.

The College is located in the building formerly occupied by the Government High School, with some extensions and structural changes. It is a very fine building with extensive grounds for outdoor games.

The rate of fees is the same as in other Government institutions.

The Hostel which is a fine, commodious building is in the charge of an experienced Superintendent who lives on the premises.

The number of students on the College rolls on the 31st March, 1933, was 245.

STAFF.

Principal ... { Md. Husain Hakeem, Esq., M.A. (Panjab),
P.E.S.

English	...	{	1. Principal.
			2. L. Chaman Lal Kapur, M.A. (History and Economics) (Panjab), P.E.S.
			3. Kh. Abdul Hamid, M.A. (Panjab), P.E.S.
			4. Pt. Jowala Sahai, M.A., B.T. (Panjab).
			5. M. Mahbub Ilahi, M.A. (English and History) (Panjab).
			6. Pt. Kishor Chand, M.A., B.T. (Panjab).
			7. Pt. Bodh Raj, Sharma, M.A. (Panjab).
Philosophy	...	{	1. Kh. Abdul Hamid, M.A. (Panjab), P.E.S.
Mathematics	...	{	1. L. Raja Ram Sekhri, M.A. (Panjab), M.R.A.S.
			2. Pt. Amar Nath, M.A. (Panjab).
History	...	{	1. L. Chaman Lal Kapur, M.A. (History and Economics) (Panjab), P.E.S.
			2. Pt. Jowala Sahai, M.A., B.T. (Panjab).
			3. Pt. Kishore Chand, M.A., B.T. (Panjab).
Chemistry and Physical Science	{	{	1. L. Jagan Nath, M.Sc., B.T. (Panjab).
			2. L. Kanshi Ram Narang, M.Sc., B.T. (Panjab).
Physics	...	{	1. S. Surjan Singh, Hampal, M.Sc. (Panjab).
Geography	...	{	1. Pt. Kishore Chand, M.A., B.T. (Panjab).
			2. Pt. Bodh Raj Sharma, M.A., B.T. (Panjab).
Arabic and Urdu	{	{	1. Mir Abdur Rashid, M.A., MN.F. (Panjab).
Sanskrit, Hindi and Panjabi.	{	{	1. L. Lakshmi Chandra, M.A. (Panjab).
Persian and Urdu			1. M. Faqir Mohd., B.A., MN.F. (Panjab).
Drawing	...		1. M. Chiragh Din, S.D.M.
Physical Training Supervisor and Hostel Superintendent	...	{	1. Pt. Vas Dev.
College Clerk	...		1. Ch. Tulsi Ram.
Lecture Assistant			1. Bh. Lakha Singh.

XXXVII.—GOVERNMENT INTERMEDIATE COLLEGE, CAMPBELLPUR.

The College is a four-year institution and was opened on 1st May, 1924. It is housed in a very commodious building situated in very healthy surroundings and has fully-equipped laboratories and up-to-date arrangements for the teaching of Science. It prepares students for M.S.L.C. Examination and provides instruction in English, Mathematics, History, Geography, Physics, Chemistry, Philosophy, Persian, Arabic, Sanskrit and Vernaculars for F.A. and F.Sc. Examinations. All members of the staff take part in the work of both school and College classes.

A few stipends to poor and deserving Mohammadan students are provided by the local Anjuman-i-Islamia.

A commodious hostel is attached to the College.

Fees as in Government College, Lahore.

The number of students on the College rolls on 31st March, 1933, was 194.

STAFF.

- | | | |
|--|---|---|
| 1. S. Prem Singh, M.Sc.
(Panjab), P.E.S. | } | Principal and Lecturer in
Science. |
| 2. Sh. Chiragh Din, M.Sc.
(Panjab), P.E.S. | | Lecturer in Physics. |
| 3. M. Abdul Hamid Khan,
Niazi, M.A. (Panjab). | } | Teacher in History and
Geography. |
| 4. L. Des Raj Puri, M.A. (Pan-
jab). | | Teacher in Mathematics. |
| 5. L. Ish Kumar, M.A. (Pan-
jab). | } | Teacher in English. |
| 6. L. Ishar Dass, M.A. (Pan-
jab). | | Teacher in Philosophy and
English |
| 7. M. Inam Ali Beg, M.A.
(Allahabad), B.T. (Panjab). | } | Teacher in Arabic and Urdu. |
| 8. L. Piare Lal, M.A. (Panjab). | | Teacher in Mathematics. |
| 9. Dr. Hamid Khan, Gore,
M.Sc. (Panjab), PH.D.
(Cantab.). | } | Teacher in Chemistry. |
| 10. Malik Fazal Illahi, M.A.
(Aligarh), B.T. (Panjab),
LL.B. (Panjab). | | Teacher in English, History
and General Knowledge. |
| 11. M. Khan Bahadur, B.A.,
H.P. (Panjab). | } | Teacher in Persian and
Urdu. |
| 12. Pt. Amba Datt, M.A., M.O.L.
(Panjab). | | Teacher in Sanskrit and
Hindi. |
| 13. L. Ram Lal Chitkara,
M.Sc. (Panjab). | } | Teacher in Chemistry. |

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|---|---|--|
| 14. L. Dilbagh Rai Puri, M.A.,
B.T. (Panjab). | } | Teacher in English, (<i>offg.</i>). |
| 15. S. Fazal Haq, P.T.S. ... | | Physical Training Supervisor,
Hostel Superintendent and
Librarian. |
| 16. M. Mohd. Hussain, S.D.M. | } | Drawing Master. |
| 17. Pt. Omkar Nath, Giani,
O.L.T. (Panjab), F.A. in
English (Panjab). | | Teacher in Panjabi and
Hindi. |
| 18. M. Abdus Samad ... | | Clerk. |
| 19. Sh. Mohd. Akram ... | | Lecture Assistant. |

XXXVIII.—LAWRENCE COLLEGE, GHORAGALI.

1. The Lawrence College, established on 1st May, 1926, and comprising two High Classes and two Intermediate Classes, is situated within three miles of the General Post Office, Murree, just above Ghoragali Brewery, and by road 33 miles from Rawalpindi. Travellers to the Lawrence College alight always on the main Rawalpindi-Murree Road near the main gates of the Ghoragali Brewery. The Lawrence School was founded by voluntary subscriptions in 1859 in memory of Sir Henry M. Lawrence, K.C.B., who was killed in Lucknow in 1857. The climate of Ghoragali is exceptionally good. The College is situated at an elevation of over 6,000 feet. The estate is an admirable one in every way running along a spur of the hills and is practically isolated. Its favourable position is evidenced by the fact that seldom are cases of infection imported from outside and the health is excellent.

2. This is a four-year self-contained institution with its separate accommodation and staff. Permanent buildings have been erected and are suitable, adequate and efficiently equipped. The water supply is obtained from our own pumping station as well as from the Murree Water Works. A complete electric plant has been established and halls, class rooms, dormitories, etc., and some of the roads are lighted with electricity. Essentially a residential College it is not possible or desirable for pupils to live in Murree and to attend as day pupils.

3. The College prepares candidates for the Cambridge School Certificate Examination in its two High Classes and for the Intermediate Examination of the Panjab University on the Arts and Science sides. The College is affiliated to the Panjab University and teaching is provided in English, Latin, Urdu, Mathematics, History, Geography, Physics and Chemistry in

the Arts Faculty, and in English, Mathematics, Physics and Chemistry, Biology and Physiology in the Science Faculty.

4. Physical Training is given by an expert and all members of the College are required to take part in organised games—hockey, football and cricket. Games are compulsory and considerable efficiency is reached and every facility is given for games and sports. Other activities include a Detachment of the Punjab Rifles, A.F. (I.). Opportunities for tennis are also provided. There is also a swimming tank and excellent tennis courts, etc.

5. The College is fortunate in its buildings and equipment including class room accommodation, Assembly Hall, Science Laboratories, Lecture Theatres, Dining Halls, Hospital and Dispensary and a fine College Chapel. There is a Resident Medical Officer, who is highly qualified, with two Hospital Nurses and two Dispensers. The College Chapel is an exceptionally pretty one, perhaps the prettiest of all in these parts and every effort is made to render the services reverent and attractive. An excellent new organ has been built within recent years and the Choir is large and capable.

6. All students pay full fees. Scholarships are tenable up to the Intermediate Examination. In connection with the College activities there is a Literary and Debating Society under the Headmaster. There are also a Biological Society, a Chemistry Society and a Physics Society and meetings are regularly held and lectures given by members.

7. The College is full. The number of students on the College rolls on 31st March, 1933, was 116 boarders, 2 day scholars.

STAFF.

The Rev. Canon W. T. Wright, C.I.E., M.A. (Durham)	} Principal and Lecturer in English.
The Rev. T. G. Prince, B.A., B.T. (Panjab), D.C.P. (Lond.), London Teaching Diploma (on leave) ...	
A. S. Collier, Esq., B.A. (Lond.)	} Vice-Principal and Lecturer in Education.
H. L. Edwards, Esq., B.Sc. (Birm.) ...	
W. J. Toop, Esq., B.Sc. (Lond.)	} Lecturer in Education and History.
S. T. Thurley, Esq., B.A. (Lond.) ...	
H. R. Smith, Esq., B.A. (Panjab), (Offg.) ...	} Lecturer in Physics and Mathematics.
Ch. Abdul Hamid, M.Sc. (Panjab) ...	
	} Lecturer in Chemistry and Education.
	} Lecturer in Latin, Psychology and Education.
	} Lecturer in English, Latin and Geography.
	} Lecturer in Biology, Physiology and Urdu.

Mr. W. Lyon	...	...	Head Clerk and Steward.
Sgt. J. Lynskey	..	..	P.T. Instructor.
B. Bhagwan Singh	...	...	Accountant.

XXXIX.—GOVERNMENT INTERMEDIATE COLLEGE, JHANG.

The Government Intermediate College, Jhang, was opened on 1st May, 1926. The College is a four-year institution and prepares students for the Matriculation and Intermediate examinations in Arts and Science (non-medical) of the Panjab University. There is also a one-year Post-Matric. Clerical class attached to the College.

The College is housed in the old Government High School buildings situated midway between the two towns of Jhang and Maghana, about one mile from either, in healthy surroundings and with sufficient accommodation on the premises.

The Physical Training Supervisor in the College also acts as hostel superintendent and librarian.

The number of students on the College rolls on 31st March, 1933, was 226, consisting of 112 in the Intermediate classes, 85 in the High Department and 29 in the Clerical class.

STAFF.

1. Malik Ghulam Rasul Shauq, M.A. (Panjab), P.E.S., Principal and Lecturer in English.
2. M. Saadat Ali Khan, M.A. (Panjab), P.E.S., Lecturer in Philosophy.
3. Malik Raghunath Rai, M.Sc. (Panjab), P.E.S., Lecturer in Chemistry.
4. L. Jai Dyal, M.A. (Panjab), Teacher of English.
5. L. Dev Raj Bhalla, M.A., B.T. (Panjab), Teacher of History.
6. P. Brij Lal Shastri, M.A., M.O.L. (Panjab), Teacher of Sanskrit and Hindi.
7. L. Hukam Chand, B.A., M.Sc. (Panjab), Teacher of Physics.
8. Pir Maqbul Ahmad, M.A., B.T., H.P. (Panjab), Teacher of Persian and Urdu.
9. L. Nathu Ram, M.A., B.T. (Panjab), Teacher of Mathematics.
10. Mr. H. B. Luke, M.Sc., B.T. (Panjab), Teacher of Science.
11. Mr. B. R. Saraf, M.A. (Panjab), Teacher of English.
12. L. Ram Dhan, B.A. (Panjab), S.A.V., Teacher of History and Geography.

13. L. Bhagwan Das, B.A. (Panjab), S.A.V., Teacher of Mathematics.
14. M. Abdul Hayy, M.A., B.T. (Panjab), Teacher of Arabic.
15. M. Mohammad Din, Teacher of Drawing.

POST-MATRIC. CLERICAL CLASS.

16. L. Ladha Ram Talwar, B.A., B.T. (Panjab), Teacher of Shorthand and Typewriting.
17. L. Kedar Nath, M.A. (Panjab), B.COM. (Bombay), Teacher of Accountancy.

PHYSICAL TRAINING.

18. P. Guran Ditta Mal, B.A. (Panjab), S.A.V., Supervisor of Physical Training.

XL.—GOVERNMENT INTERMEDIATE COLLEGE, DHARMSALA.

The Government Intermediate College, Dharamsala, was opened on 1st May, 1926. It is a four-year institution and besides preparing the students for the Matriculation and School-Leaving Certificate Examination, it is affiliated to the Panjab University up to the Intermediate in Arts and Science (in English, Mathematics, History, Philosophy, Persian and Sanskrit, Physics and Chemistry, Urdu and Hindi).

The College is situated in the beautiful Kangra Valley at a height of more than 4,000 feet and commands a fine view of the snowy Himalayas in the background. The projected Mandi Hydro-electric scheme and the Kangra Valley Railway will add immensely to the promise of the institution as the future centre of education and culture in the Province.

A Library and a Reading Room have been provided for the use of the students.

Fees as in the Government College, Lahore.

The number of students, including the students of the 10th class, on the College rolls on 31st March, 1933, was 91.

STAFF.

1. Sri Kishen Kapur, Esq.,
M.A., B.SC., P.E.S. (Pan- } Principal.
jab).

2.	L. Amir Chand, B.A., P.E.S. (Panjab).	} Lecturer in Mathematics.
3.	Pt. Gomti Parshad, Bar-at-Law.	
4.	Mehra Harish Chandra Bali, M.A., P.E.S. (Panjab).	} Lecturer in English and History.
5.	S. C. Mitra, Esq., M.A. (Panjab).	
6.	L. Karam Chand Taxali, M.Sc. (Panjab).	} Teacher of Philosophy.
7.	Ch. Abdul Ghafur, M.A. (Aligarh), B.T. (Panjab).	
8.	Pt. Bansi Lal, M.A., B.T. (Panjab).	} Teacher of Chemistry, Science and Physiology and Hygiene.
9.	L. Hari Chand Taneja, M.Sc., B.T. (Panjab).	
10.	P. Harbans Lal, M.A., B.T. (Panjab).	} Teacher of Persian and Urdu.
11.	Sardar Ganesha Singh ...	
12.	L. Dev Datt Bhalla, B.A. (Panjab), Shastri, P.T., O.T.	} Teacher of Sanskrit and Hindi.
13.	L. Dhani Ram ...	
14.	P. Daulat Ram ...	} Teacher of Physics, Science and Physiology and Hygiene.
		} Teacher of History, Geography and Urdu.
		} Drawing Master.
		} Physical Training Supervisor.
		} College Clerk.
		} Lecture Assistant.

XII.—MALERKOTLA COLLEGE, MALER-KOTLA.

The Malerkotla College was opened in 1926. It is a four-year institution preparing students for Matriculation and School-Leaving Certificate and Intermediate Examinations of the Panjab University. It is affiliated to the University of the Panjab up to the Intermediate standard in Arts and has provision for teaching English, Philosophy, Mathematics, History, Geography, Persian and Urdu.

No tuition fees and hostel rents are charged from any student, whether a State subject or an outsider. The idea underlying this exceptional munificence of His Highness the Nawab Sahib Bahadur, Ruler of Malerkotla State, is to give facilities of higher education not only to his own subjects but also to those who come in quest of knowledge to the State where a generous patronage has always been extended to learning.

All members of the staff take part in the teaching work of all the classes. The College has a flourishing Union and its own organ entitled the *Malerkotla College Magazine*. The tutorial system is in force.

The College is housed in the new block of building which is an extension of the one formerly occupied by the High School with a big hall, tower and side-rooms. Attached to the College building and opposite to it, just across the road, stands the College Hostel which provides accommodation for 50 boarders, and is under the supervision of a member of the staff assisted by a superintendent who lives on the premises.

Every attention is paid to the health and physical well-being of the students and there are large playing fields within five minutes' walk of the buildings.

Generally a number of scholarships are awarded to deserving students, the residents of the State having prior claims.

The number of students on the College rolls on 31st March, 1933, was 110.

STAFF.

1. Mohamed Rashid Qureishi, Esq., M.A., B.T. (Panjab), Principal and Lecturer in Philosophy and English.
2. Mirza Habib-ur-Rahman, M.A. (Panjab), Lecturer in English.
3. R. S. Varshneya, M.Sc. (Alld.), Cox Gold Medallist, Lecturer in Mathematics.
4. Badri Nath Chopra, M.A., B.T. (Panjab), Lecturer in History and Persian.
5. Munshi Mohammed Ismail, B.P. (Panjab), Lecturer in Urdu and Persian.
6. S. Harchand Singh, B.A., Asstt. Lecturer in Mathematics.

XLII.—KHALSA INTERMEDIATE COLLEGE, LYALLPUR.

Khalisa Intermediate College, Lyallpur, was opened in May, 1926; the school department was, however, established as early as 1908. It is situated on the bank of the Rakh Branch Canal in open country surroundings at a distance of about 2 furlongs from the Railway Station of Lyallpur. It provides the best advantages of rural as well as urban life.

It is a four-year institution providing instruction in Matriculation and Intermediate in English, Mathematics, History, Economics, Philosophy, Persian, Arabic, Sanskrit, Panjabi, Urdu, Geography, Physics, Chemistry and Hindi. The institution is

primarily intended for Sikhs but is open for admission to students of other communities.

The object of the institution is to impart to Sikh youths a liberal education in Sikh Religion side by side with secular education and to foster in them sympathy and toleration for other religions.

Attached to the College are two hostels under the personal supervision of the Principal and extensive playgrounds.

The College Magazine is called *The Bar* and deals with the subjects of local and general interest connected with the College.

The College is governed by a Committee consisting of 15 members, 12 of whom are elected every three years by the College Council and 3 are co-opted by the elected members. The College Council exercises a general supervision over the Committee.

The number of students on the College rolls on the 31st March, 1933, was 260, of whom 148 were in the College classes and 112 in the High classes.

Clerical and Commercial classes are also attached to the College. Nine months' course for L.C.C. and one year course for D.Com. (I.M.C.), Bombay. Our College is recognised by the D.P.L., Punjab, for the London Chamber of Commerce Examinations and by the Indian Merchants' Chamber (Bombay). Centre for all Commercial Examinations.

STAFF.

Principal	...	{ S. Mohan Singh, M.B.A. (Wash.), B.Sc. (Oregon).
		{ S. K. Chaudhury, Esq., B.A. (Hons.), M.A. (1st Class) (Gold Medallist, Calcutta University).
English	...	{ L. Bhan Chand, M.A. (English, History, Philosophy and Economics) (Panjab).
		{ S. Jaswant Singh, M.A. (Panjab).
		{ S. Kehar Singh, M.A. (Panjab).
		{ S. Sadhu Singh, B.Sc., S.A.V. (Panjab).
Mathematics	...	{ S. Ram Singh, M.A. (Hons. School in Mathematics) (Panjab).
		{ S. Pritam Singh, B.A., S.A.V. (Panjab).
History	...	{ L. Bhan Chand, M.A. (English, History, Philosophy and Economics) (Panjab).
		{ S. Pritam Singh, B.A., S.A.V. (Panjab).
Economics	...	S. Mohan Singh, M.B.A. (Wash.), B.Sc.
Philosophy	...	S. Kehar Singh, M.A. (Panjab).
Geography	...	S. Sadhu Singh, B.Sc. (Panjab).
Persian and Urdu	...	Qazi Abdur-Rahman, B.A., Munshi Fazil.

Sanskrit and Hindi ...	Pt. Salig Ram Shastri, O.T.
Panjabi and Divinity ...	G. Sardul Singh, (Hons. in Panjabi).
Drawing ...	S. Ganda Singh, Senior Certificated of Mayo School of Arts.

SCIENCE.

Chemistry ...	{ S. Bhan Singh, M.Sc. (Panjab).
	{ S. Kehar Singh, Lecture-table Assistant.
Physics ...	{ S. Attar Singh, M.Sc. (Panjab), B.A.
	{ S. Gurbachan Singh, Laboratory Assistant.
Physiology and Hygiene.	{ S. Sadhu Singh, B.Sc. (Panjab).
	{ S. Jaswant Singh, M.A. (Panjab).
Commercial class ...	{ F. C. Soni, Esq., M.COM. (Vict.), P.C.T., F.I.C., F.I.P.S., etc. (London), Gold Medallist and Prizeman of Victoria University.
Physical Instructor ...	S. Bharpoor Singh.

HOSTEL.

Dean ...	S. Sadhu Singh, B.Sc.
Superintendent ...	S. Hazura Singh.
Asstt. Superintendent	S. Maya Singh.
Medical Adviser ...	S.S. Dr. Kishan Singh, L.M.S.

OFFICE.

Librarian ...	S. Pritam Singh, B.A., S.A.V.
Treasurer ...	S. Hazura Singh.
Head Clerk ...	S. Sohan Singh.
Second Clerk ...	S. Nahar Singh.

XLIII.—DAYANAND MATHRA DAS COLLEGE, MOGA.

The College is a four-year institution comprising the High and Intermediate classes. It was started in 1919 as a High School by R.B. Dr. Mathra Das, Kaiser-i-Hind Gold Medallist, and was raised to the status of an Intermediate College in 1926. It is managed by the Arya Priti Nidhi Sabha, Punjab, a Registered Body, and a local committee of 23 members with R.B. Dr. Mathra Das as its president. The Institution aims at reviving ancient culture and wisdom, and at moulding the charac-

ter of students according to Vedic ideals. It is primarily meant for the benefit of Hindu students, but it is open to students of all communities. Religious and moral instruction is compulsory.

The College building consists of a big hall and 16 class rooms. The playgrounds are situated in close proximity of the College and satisfactory arrangements have been made for Cricket, Hockey, Football, Volley Ball, Basket Ball and Tennis. The construction of the new Gymnasium has been just completed.

The College is affiliated to the University of the Panjab up to the Intermediate in Arts and Science (Non-Medical). The College provides instruction in the M.S.L.C. and the Intermediate in Arts in English, Mathematics, History, Economics, Philosophy, Sanskrit, Persian, Urdu, Hindi and Panjabi, and for Intermediate in Science in Physics and Chemistry.

The hostel is a commodious building situated in the College compound and is fitted with electricity. It is in charge of a Superintendent who lives on the premises. Medical attendance is free. There is a Library containing 4,230 books and a reading room attached to the College.

The College is maintained by fees, interest on endowments and donations. The number of students on the College rolls on 31st March, 1933, was 331.

STAFF.

Principal	...	R. K. Kumar, Esq., M.A. (Allahabad), F.R.E.S.
		R. K. Kumar, Esq., M.A., F.R.E.S.
		Gopal Das Kapur, M.A. (Panjab).
English	...	Ch. Dwarka Nath Dutt, B.A., B.T.
		L. Ratan Lal Bhatia, M.A. (Panjab).
		L. Khushi Ram, B.A., S.A.V. (Panjab).
		L. Ram Labhaya, M.A. (Panjab).
Mathematics	...	L. Prem Kumar, M.A. (Panjab).
		L. Mehnga Ram, B.A., B.T. (Panjab).
		L. Ram Labhaya, M.A. (Panjab).
History	...	L. Khushi Ram, B.A., S.A.V.
Geography	...	L. Khushi Ram, B.A., S.A.V.
Economics	...	R. K. Kumar, Esq., M.A., F.R.E.S.
Philosophy	...	L. Ratan Lal Bhatia, M.A.
Physics	...	L. Karam Chand Nanda, M.Sc. (Panjab).
Chemistry	...	L. Ram Narain, M.Sc. (Panjab).
Persian and Urdu	{	M. Mohd. Latif Ansari, Munshi Fazil, O.T. (Panjab).
Sanskrit	and	
Hindi	...	Pt. Sundar Das Shastri, O.T. (Panjab).
Drawing	...	L. Chanan Singh Loomba.
Panjabi	...	Gyani Sant Singh "Nirman", B.A. (Panjab).

Physical Instruction	...	Romesh Chandra, M.A., Shastri.
Office	...	L. Des Raj Sud.
Librarian	...	Gyani Sant Singh "Nirman".
Medical Officer	..	Dr. Wazir Chand, Sub-Assistant Surgeon.
Laboratory Assts.	{	S. Dhanna Singh.
		L. Thakar Das.

XLIV.—DAYANAND ANGLO-VEDIC INTER-MEDIATE COLLEGE, HOSHIARPUR.

The Dayanand Anglo-Vedic Intermediate College, Hoshiarpur (School Department), was started on the 8th of February, 1898. The Intermediate Classes were added on the 12th of June, 1926. It is situated outside the city on the Kutchehri Road and is affiliated to the Panjab University for Intermediate Examination in English, Mathematics, History, Philosophy, Economics, Sanskrit, Persian, Hindi and Urdu.

The College is financed and controlled by the D.A.-V. College Society, Hoshiarpur, which elects an Executive Committee with whom rests the immediate management of the Institution.

The College has a Boarding House about a mile from the city. Adjoining the College and the Boarding House there are extensive playgrounds for games and sports. The College has a Library. The Reading Room is furnished with dailies and weeklies and some monthly reviews also.

The College has a monthly organ of its own called the *Arya Kumar*.

The number of students on the College rolls on 31st March, 1933, was 300.

STAFF.

1. L. Ram Dass, B.A., B.T. (Panjab), Principal and Lecturer in English.
2. P. Rala Ram, B.A. (Hons. in English), M.A. (English) (Panjab), Lecturer in English and Vice-Principal.
3. Mallick Beli Ram, B.A. (Hons. in Sanskrit), M.A. (Sanskrit) (Panjab), M.O.L. (Panjab), Lecturer in Sanskrit and English.
4. L. Gauri Shankar Puree, M.A. (Philosophy) (Panjab), Lecturer in Philosophy and English.
5. L. Girdhari Lal Saksena, M.A. (Economics), LL.B. (Panjab), F.R.E.S. (London), Lecturer in Economics and Mathematics.
6. P. Hari Vansh Lal Rishi, M.A. (Mathematics) (Panjab), S.A.V. (Panjab), Lecturer in Mathematics.

7. L. Baldev Raj Khanna, M.A. (History) (Panjab), Lecturer in History and English.
8. L. Ram Bheja Mal, M.A. (Persian) (Panjab), M.O.L. (Panjab), Lecturer in Persian and Urdu.
9. Th. Baljit Shastri, B.A. (English only) (Panjab), Vidya Ratna (Gurukula), Lecturer in Hindi and Vedic Theology.
10. L. Baij Nath Mohindru, B.Sc., S.A.V. (Panjab), Teacher in Science and Mathematics for the High Classes.
11. L. Ram Dass, B.A. (Panjab), J.A.V., Librarian and Composition Teacher.
12. Ch. Nand Singh Chandarvanshi, B.A. (Panjab), Director of Physical Education (Madras).
13. P. Malawa Ram, Senior Drawing Master for High Classes.
14. P. Mula Ram, Office Clerk.

XLV.—GOVERNMENT INTERMEDIATE COLLEGE, HOSHIARPUR.

This College was started from 1st May, 1927. It is a four-year institution preparing students for the Matriculation and the Intermediate Examinations in Arts and Science (both Medical and Non-Medical groups) of the Panjab University. It is situated in a fine building formerly occupied by the Government High School and a new Science Block containing Laboratories for Physics, Chemistry and Biology. The College has its own hostel and extensive playgrounds.

The number of students on the College rolls on 31st March, 1933, was 202 (Intermed. 107, Matric. 95).

STAFF.

1. Dr. B. L. Bhatia, D.Sc. (Panjab), F.Z.S., F.R.M.S. (London), K.H.M., Principal and Lecturer in Biology.
2. Dr. M. L. Sethi, D.Sc. (Panjab), P.E.S., Lecturer in Biology.
3. Mr. Ugra Sen, M.A. (Panjab), P.E.S., Lecturer in English.
4. L. Hari Ram Sarma, M.Sc. (Panjab), Teacher in Physics.
5. L. Parma Nand Bahl, B.A., B.T. (Panjab), Teacher in English.
6. Sh. Ghulam Mohy-ud-Din, M.A., M.O.L. (Panjab), Teacher in Persian and Urdu.
7. L. Rama Krishna Bahl, M.Sc. (Panjab), Teacher in Chemistry.
8. L. Gyan Chand Bhatia, M.A. (Panjab), Teacher in Sanskrit.
9. P. Paras Ram Kaushal, B.A. (Hons.), B.T. (Panjab), Teacher in History and Geography.

10. L. Hans Raj Gupta, M.A. (Panjab), Teacher in Mathematics.
 11. Sh. Abdur Rahman, M.A., H.P. (Panjab), Teacher in Arabic and Urdu.
 12. Ch. Sultan Bakhsh, M.A. (Panjab), Teacher in Mathematics.
 13. L. Gobind Parshad, M.A., Teacher in Philosophy and English.
 14. L. Parkash Chandra, M.Sc. (Panjab), Teacher in Physics and Chemistry.
 15. Sh. Zia-ud-Din, M.A., M.B. (Alg.), Teacher in History and Geography.
 16. L. Ganpat Rai S.D.M., Drawing Master.
 17. Bhai Nand Singh Gill, Physical Training Supervisor and Hostel Superintendent.
 18. Ch. Kartaru Ram, Teacher in Hindi.
 19. Bhai Tehl Singh, Gyani, J.A.V. (Panjab), Teacher in Panjabi.
- M. Mohd. Din Qureshi, Head Clerk and Librarian.
L. Madan Gopal, 2nd Clerk.

XLVI.—GOVERNMENT INTERMEDIATE COLLEGE, ROHTAK.

The College was opened on the 1st May, 1927. It is a four-year institution, and besides preparing students for the Matriculation and S.L.C. Examination of the Panjab University, it is affiliated to that body up to the Intermediate standard in Arts and Science (Medical and Non-Medical). It has also Post-Matriculation and Clerical Classes, the object of which is to train boys in all branches of clerical work. The College is located in the building which was at one time occupied by the Government Normal School. Extensive additions and improvements have, however, been made, in consequence of which it is now a very fine building with spacious playgrounds. There is a hostel attached to the College under the personal supervision of a member of the Staff.

The number of students on the College rolls on 31st March, 1933, was 166.

STAFF.

1. Rai Sahib L. Ratan Lal, M.A. (Panjab), Principal.
2. Dr. Vidya Sagar Puri, M.Sc. (Panjab), Ph.D. (London),
Lecturer in Chemistry.
3. Ch. Pran Nath Datta, M.A. (Panjab), S.A.V., Teacher of English.

4. Bawa Balwant Singh, M.Sc. (Panjab), F.R.M.S. (London), Teacher of Biology.
5. S. Sadhu Singh Chatrath, M.A., B.T. (Panjab), Teacher of Philosophy.
6. Mr. N. C. Roy, B.A. (Cal.), B.T. (Panjab), D.ED. (Oxon), Teacher of History.
7. Mr. Mahavir Singh, B.A. (Cal.), M.A. (Panjab), Teacher of English.
8. L. Ganga Sahai, M.A., B.T., Teacher of Sanskrit.
9. M. Mansur-ul-Aziz Minhas, M.A. (Panjab), Teacher of English.
10. Ch. Karam Shah, M.A. (Math.), B.A. (Honours School of Mathematics) (Panjab), M.A. (Persian) (Alig.), M.O.L., H.P., S.A.V. (Panjab), Teacher of Mathematics.
11. M. Ruknuddin, M.A., M.O.L., S.A.V. (Panjab), Teacher of Persian and Urdu.
12. M. Abdul Aziz, M.A. (Panjab), Teacher of Arabic and Urdu.
13. Sh. Qamarud Din, M.Sc. (Alig.), Teacher of Physics.
14. Pt. Radhe Lal, B.A., S.A.V., P.T. (Panjab), Teacher in charge of Games, Hostel and Library.
15. Pt. Sita Ram Shastri, O.T., Honours in Hindi, Teacher in Hindi and Sanskrit.

TEACHING STAFF OF THE POST-MATRIC. AND CLERICAL CLASSES.

1. Sodhi Bhagat Singh, B.COM. (Bombay).
2. L. Lajja Ram Bajaj, A.D.C.M., P.C.T. (Bath), M.P.F. (London).
 L. Ram Kishen, Clerk.
 M. Amir Khan, Lecture Assistant.

XLVII.—GOVERNMENT INTERMEDIATE COLLEGE, PASRUR.

The Government Intermediate College, Pasrur, was started on the 1st May, 1928. It is a four-year institution preparing students for Matriculation and Intermediate Examinations in both Arts and Science (Non-Medical group) faculties of the University of the Panjab. In the Matriculation all subjects except Agriculture and Civics and Hygiene are taught and in the Intermediate the following are offered :—

English, Philosophy, History, Mathematics, Sanskrit, Persian, Arabic, Physics, Chemistry, Urdu, Hindi and Panjabi.

The College is housed in a fine building situated in very healthy surroundings. It has large and extensive grounds.

There are two Hockey grounds, two Football, one Basket Ball and a number of Volley Ball grounds and Tennis Courts.

Right in front of the College at a distance of about 200 yards stands the hostel which provides accommodation for about 100 students. It is under the charge of a whole-time superintendent who also organises games and advises students in physical culture.

The number of students on the College rolls on 31st March, 1933, was 210.

STAFF.

1. L. Barkat R. Khosla, B.A. (Pb.), B.T. (Pb.), P.E.S., Principal.
2. Mr. Siraj-ud-Din Azar, M.A. (Eng.) (Pb.), M.O.L. (Persian) (Pb.), P.E.S., Lecturer in English.
3. Mr. Kundan Lal Malhotra, M.A. (Pb.), Teacher in History.
4. L. Ram Chandra Khanna, M.A. (Pb.), Teacher in Sanskrit.
5. Dr. S. L. Bhatia, D.Sc. (Pb.), Teacher in Chemistry.
6. Mr. P. L. Gupta, M.A. (Pb.), B.T. (Pb.), Teacher in English.
7. Mr. R. L. Handa, M.A. (Pb.), Teacher in History.
8. L. Badri Nath Chadda, M.A. (Pb.), B.T. (Pb.), Teacher in Mathematics.
9. S. Dharm Singh, M.Sc. (Pb.), Teacher in Physics.
10. Mr. Des Raj Singh Handa, M.A. (Pb.), B.T. (Pb.), Teacher in Mathematics.
11. Hafiz Abdul Haq, M.A. (Pb.), B.T. (Pb.), H.P., Teacher in Arabic.
12. Sh. Abdul Latif Tapish, M.A. (Persian) (Pb.), M.O.L. (Persian), H.P., Teacher in Persian and Urdu.
13. Gyani Sher Singh, M.A. (Persian & Philosophy), M.O.L., H.P., Gyani, Teacher in Philosophy and Persian.
14. L. Sat Dev, B.A. (Pb.), P.T.S., Hostel Superintendent and Physical Training Supervisor.
15. Bh. Prem Singh, S.D.M. (Pb.), Drawing Master.
16. Pt. Amar Nath, Shastri, Matric., O.T.T. (Pb.), Teacher in Sanskrit and Hindi.
17. Bh. Sawan Singh, G.T. (Pb.), Teacher in Panjabi.
18. L. Chuni Lal, Clerk.
19. Raja Ram Singh Rajput, Lecture Assistant.

XLVIII.—BISHOP COTTON SCHOOL AND INTERMEDIATE COLLEGE, SIMLA.

Bishop Cotton School was founded by the Right Reverend George Edward Lynch Cotton, Bishop of Calcutta, on 28th

July, 1859, and was opened on 15th March, 1863, at Jutogh. It was moved to its present site in September, 1868. On 7th May, 1905, the School, with the exception of the Headmaster's and Assistant Masters' houses was totally destroyed by fire, and the present buildings were erected by the Punjab Government in 1906.

The School and College are situated on an ideal site in Simla East, some two miles from Simla, below the Punjab Secretariat, far away from all other dwelling houses or bazaars, and in extensive grounds of their own. The main school block contains on the ground floor the Chapel, dining hall, masters' common room and class rooms. On the first floor are four large airy dormitories, a reading room, single masters' quarters and bath rooms. There is a very lovely Chapel and no effort is spared to render the services as beautiful as possible. There is a large choir and a new organ. The Chapel services and religious instruction are in accordance with the faith and practice of the Church of England. A new Science Block, apart from the main block, was erected in 1928. On the ground floor is a laboratory, designed on the most modern lines, and fully equipped for the teaching of both Chemistry and Physics. On the first floor is an art room and demonstration room. The Irwin assembly hall and Anderson library were built in 1930.

The College students reside in a separate Hostel and each student has either a room to himself or one which he shares with one other student. The Hostel is equipped with the latest flush system.

There is a private tennis court for the use of the College adjoining the Hostel.

In March, 1933, there were 16 students on the rolls of the College

There is a general playground and two large playing fields for organised games. A swimming tank is under construction and College students will have full use of this tank.

Physical Training is carried out throughout the whole School and College, and a record is kept of every boy's weight and measurement at the beginning and end of the year. Boxing is encouraged. Affiliation to the University of the Panjab was granted with effect from the 1st of August, 1928, and students are prepared for the Intermediate Arts Faculty and Intermediate Science Faculty in English, Mathematics, History, Geography, Latin, French, Urdu, Chemistry and Physics.

STAFF.

Rev. J. R. Peacey, M.A., M.C., late Fellow and Dean, Selwyn College, Cambridge, Principal and Lecturer in Latin.

- W. R. Edgar, Esq., B.Sc. (Liverpool), L.C.P. (London),
Lecturer in Mathematics and Physics.
W. H. Newcombe, Esq., B.Sc. (London), Lecturer in
Chemistry and Physics.
S. P. B. Doyley, Esq., M.A., Lincoln College, Oxford,
Lecturer in English.
J. F. Hammond, Esq., B.A., Fitzwilliam House, Cambridge,
Lecturer in History.
J. M. Singleton, Esq., Teacher's Diploma (St. John's
College, London), Lecturer in Geography.
Mrs. A. J. Wright, Lecturer in Urdu.
Mrs. M. E. Peacey, Newnham College, Cambridge, Lecturer
in French.
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XLIX.—DEMONTMORENCY COLLEGE, SHAHIPUR SADR.

The College was started on the 1st May, 1929, as a four-year institution and was affiliated to the Panjab University for F.A. (Arts) only. F.Sc. (Non-Medical) Classes were started in May, 1930. Post-Matriculation Clerical and Commercial Classes were added in June, 1931. The College was raised to the B.A. standard in June, 1932.

The College has been granted affiliation up to the B.A. standard and prepares students in the following subjects :—

Intermediate Examination :—English, Mathematics, History, Philosophy, Sanskrit, Persian, Arabic, Urdu, Hindi, Panjabi, Physics and Chemistry. In 1932 it was also affiliated in Geography.

B.A. Examination :—English, Mathematics—A and B, History, Philosophy, Economics, Arabic, Persian, Sanskrit, Urdu, Hindi and Panjabi.

A selected number of students is also admitted to the Military Class to prepare them for the entrance examination of the Military Academy, Dehra Dun.

The College is located in the fine buildings formerly occupied by the O'Brien Islamia High School and has extensive grounds, extending over 30 acres.

An up-to-date laboratory for Physics and Chemistry was put up in 1932.

There is ample hostel accommodation for over 100 students.

The number of students on the College rolls on 31st March, 1933, was 168.

STAFF.

1. Abdul Hamid Khan, Esq., B.A. (Allahabad), M.A. (Panjab), P.E.S., Principal.

2. Dr. K. C. Khanna, M.A. (Panjab), PH.D. (London), F.R.HIST.S., P.E.S., Lecturer in History.
3. Mr. G. Auditto, M.A. (Glasgow), P.E.S., Lecturer in Economics.
4. L. Sita Ram Gupta, M.A. (Panjab), P.E.S., Lecturer in Mathematics.
5. Mr. Qurban Ihsanullah, M.A. (Panjab), B.T., P.E.S., Lecturer in English.
6. Pir Ghulam Waris, M.Sc. (Panjab), P.E.S., Lecturer in Chemistry.
7. L. Shaukat Roy, M.A. (Panjab), Teacher of Philosophy.
8. L. Dina Nath Vasudeva, M.Sc. (Panjab), Teacher of Physics.
9. Pt. Ganpat Rai, M.A. (Panjab), B.T., Teacher of Sanskrit.
10. M. Mohd. Abdul Bari, M.A., B.T. (Alig.), Teacher of Mathematics.
11. Mian Mohd. Sadiq, M.A. (Panjab), Teacher of English.
12. Mr. A. M. Yazdani, M.A. (Panjab), B.T., Teacher of English.
13. Dr. Sheikh Inayatullah, M.A. (Panjab), PH.D. (London), Teacher of Arabic and Islamic History.
14. Ch. Deva Singh, M.A. (Panjab), B.T., Teacher of Geography.
15. Kh. Miraj-ud-Din Ahmad, M.A. (Panjab), B.T., Teacher of Persian.
16. M. Obaidullah, H.A., H.P., Teacher of Urdu and Arabic.
17. Bedi Kaka Singh, B.A., Gyani, H.P., P.H., G.T., Teacher of Panjabi and Hindi.
18. Ch. Masud Khan, B.A., B.T., P.T.S. (Panjab), Physical Training Supervisor.
19. Mr. Daya Ram Sethi, B.COM. (Bombay), First Commercial Teacher.
20. Pt. Mela Ram, B.A., S.A.V. (Clerical & Commercial) (Panjab), Second Commercial Teacher.

L.—THE LAWRENCE ROYAL MILITARY SCHOOL AND INTERMEDIATE COLLEGE, SANAWAR.

The Lawrence Royal Military School was founded by Sir Henry Lawrence in 1847, and is confined to the sons of British soldiers. Growing from small beginnings and gradually improving its standard of education it has become affiliated to the University of the Panjab in 1931. It is a self-contained Institution comprising Boarding Houses, Hospital, Lecture and Class Rooms, Laboratories for Chemistry, Physics and Biology, Assemb-

ly Hall, Library, Art Room, Chapel, Gymnasium and Swimming Bath. Games are organised throughout the School and College and definite seasons allotted to Cricket, Hockey and Football. A special point is made of Physical Training. Students are prepared, after passing the Cambridge School Certificate Examination, for the Intermediate Arts Faculty and Intermediate Science Faculty in English, Mathematics, History, Geography, Urdu, Chemistry, Physics and Biology.

There are three students on the rolls.

STAFF.

The Reverend E. S. Hunt, M.A. (Oxon), Principal and Headmaster.

Captain C. F. J. Cropper, B.A., University College, Oxford, M.R.C.S., L.R.C.P., I.M.S., Vice-Principal and Resident Medical Officer.

B. Wiles, Esq., B.Sc. (London), Lecturer in Chemistry and Biology.

J. H. Middleditch, Esq., B.Sc. (London), Lecturer in Physics.

A. Perry, Esq., M.A. (Glasgow), Lecturer in History and Geography.

J. R. Coombes, Esq., B.A. (Madras), B.Sc. (London), Lecturer in Chemistry (officiating).

Munni Lal Pande, Esq., B.A. (Panjab), Lecturer in Urdu.

Mr. C. Burge, Chief Clerk and Steward.

Sgt. J. Lankford, Instructor in Physical Training and Boxing.

LI.—THE STRATFORD INTERMEDIATE COLLEGE FOR WOMEN. AMRITSAR.

The College, which is named after Punjab's Pioneer Deputy Directress of Public Instruction, was opened by the Government in November, 1932, to render higher education within the easy reach of all women. It is a four-year institution comprising the Matric. and Intermediate Classes and provides instruction in English, Persian, Sanskrit, Hindi, Urdu, Panjabi, Philosophy, Mathematics and History in which it is affiliated to the Panjab University.

The College is housed at present in rented buildings in healthy surroundings, containing large and airy rooms. There is a Boarding House attached to the College and has a separate kitchen for Hindu and Sikh girls. The grounds of the College comprise seven Badminton Courts, one Tennis Court and a Basket Ball pitch, of which full use is being made. Students are also getting training in Girl Guiding and needlework.

Full attention is being paid to the mental, physical and, above all, the moral welfare of the girls, and every effort is made to guard against all the drawbacks and pitfalls of the so-called "modernism".

Government scholarships are tenable at the College. There were 90 students on College rolls on 23rd June, 1933.

STAFF.

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| 1. Miss Khadijah Begum Feroz-ud-Din, B.A. (Hons.), M.A., M.O.L. (Gold Medallist), H.P., M.R.A.S. (London). | } Principal and Lecturer in History and Oriental Languages (Persian, Sanskrit, Urdu and Hindi). |
| | |
| 2. Miss D. E. Phillips, M.A., B.T. ... | } Lecturer in English and Philosophy. |
| | |
| 3. Mrs. P. Madan, M.A. ... | } Lecturer in English (<i>on leave</i>). |
| | |
| 4. Mrs. A. Mukerji, B.Sc., B.T. | Teacher in Mathematics. |
| 5. Miss B. Ghosh, M.A. ... | } Teacher in Mathematics and English (<i>Offg.</i>) <i>vice</i> Mrs. P. Madan, M.A. (<i>on leave</i>). |
| | |
| 6. Mrs. S. K. Mayal (F.A. in English only), Gyan. | } Part-time teacher in Panjabi. |
| | |
| 7. Pt. Harsukh Rai ... | Part-time teacher in Sanskrit. |
| 8. Mst. Shah Begum, s.v., Professor in Urdu. | } Part-time teacher in Persian and Urdu. |
| | |

LII.—M.A.O. COLLEGE, AMRITSAR.

This College was started in 1933 by the Anjuman-i-Islamia, Amritsar, to meet the pressing needs of the Muslims of this city and of the surrounding districts; but students of other communities are also welcome. It is managed by a College Council consisting of twenty members. The object of this institution will ever be to impart not only a sound academic training but to preserve a high standard of moral and religious education as well, in order that it may turn out intelligent, God-fearing and loyal citizens.

Keeping in view the old Latin saying "Mens sana in corpore sano" the physical side of education will always have our fullest attention.

The College is a four-year institution consisting of two Matriculation and two Intermediate Classes and has been affiliated to the University of the Panjab and for the present following subjects have been provided for:—

For Matriculation.—English, Mathematics, History and Geography, Arabic, Physical Science, Drawing, Urdu, Physiology and Hygiene.

For the Intermediate.—English, Mathematics, History, Arabic, Persian, Philosophy, Economics, Urdu, Physics, Chemistry and Biology.

The College Buildings—consist of two large halls and fourteen spacious rooms.

The Science block is a separate double-storied building recently remodelled in accordance with the suggestions of the University Science Commission.

Hostel.—There is a hostel in the College premises and is large enough to accommodate at least thirty boarders. A professor acts as the warden of the hostel.

Mosque.—There is also a fair size mosque in the College compound

Playgrounds.—We have playgrounds for games in the Anjuman Park and Alexandra grounds.

The opening ceremony of the College was performed on the 5th of June by the Hon'ble Mallik Sir Feroze Khan Noon, Kt., Minister for Education.

STAFF.

S. Mercado, B.A., Principal and Professor of English.

Dr. Rashid-ud-Din Khan, M.A., PH.D., Vice-Principal and Professor of English and Philosophy.

Sahibzada Mahmud-uz-Zafar Khan, B.A. (Hons.), Balliol College, Oxford, Professor of History and Economics.

Mr. Inayat Ali Quraishi, M.A., Professor of Mathematics.

Sufi Abdul Aziz, M.A., Arabic, M.A. Persian, Munshi Fazil, Professor of Arabic, Persian and Urdu.

Mr. Mohd. Abdul Azim, M.Sc. (Hons.), Professor of Chemistry.

Mr. Sher Ahmad, M.Sc. (Hons.), Professor of Biology

Mr. Abdul Basir Pal, M.Sc., Professor of Physics.

Mr. Saghir Hasan, M.A., B.T., Lecturer in English, History and Geography.

Mr. Allah Yar Khan, B.A., S.A.V., Lecturer in Mathematics and Science.

Mr. Mohd. Fazil, F.A., S.A.V., Lecturer in English and General Knowledge.

Mr. Abdul Hakim, B.A., S.A.V., Lecturer in English and General Knowledge.

Mr. Mubarik Ali, B.Sc., Demonstrator.

Mr. Allah Bakhsh, Drawing Master (Senior (Certificated)).

Maulvi Bahawal Haq, Lecturer in Theology.

M. Jalal Din, Physical Instructor.

LIST OF GRADUATES,

1927-1932.

XXI.

LIST OF GRADUATES, 1927-1932.*

GRADUATES.

*List of persons upon whom Degrees have been conferred under
Section 16, Act XIX, 1882, and under Section 17,
Act VIII of 1904.*

DOCTORS OF ORIENTAL LEARNING.

Gottlieb William Leitner, Esq., LL.D., M.A., PH.D., November 18th, 1882.

The Most Hon'ble George Frederick Samuel Robinson, Marquis of Ripon, K.G., P.C., G.M.S.I., G.M.I.E., November 15th, 1884.

The Right Hon'ble Sir Frederick Temple, Hamilton Temple, Earl of Dufferin and Ava, K.P., G.C.B., G.M.S.L., G.C.M.G., G.M.I.E., D.C.L., F.R.S., November 4th, 1886.

Sir Charles Umpherston Aitchison, K.C.S.I., C.I.E., LL.D., March 30th, 1887.

The Right Reverend Thomas Valpy French, D.D., Bishop of Lahore, December 12th, 1887.

Colonel William Rice Morland Holroyd, B.S.C., November 29th, 1890.

The Hon'ble Sir James Broadwood Lyall, K.C.S.I., November 7th, 1891.

Maulvi Hafiz Nazir Ahmad, K.B., S.U., LL.D., December 2nd, 1910.

The Hon'ble Sir Louis William Danc, G.C.I.E., C.S.I., I.C.S., December 7th, 1912.

The Most Reverend George Alfred Lefroy, M.A., D.D., Bishop of Calcutta and Metropolitan of India, December 23rd, 1913.

* For degrees conferred before 1921 please refer to Panjab University Calendar, Part II (1921-22) and Part I (1922-23). The list for the doctorate degrees, however, is given in full.

- Monsieur Alfred Foucher, Professor of Indian Language and Literature in the University of Paris, December 20th, 1919.
 Sir Marc Aurel Stein, K.C.I.E., PH.D., of the Archaeological Department, December 20th, 1919.
 Sir Ramkrishna Gopal Bhandarkar, M.A., K.C.I.E., LL.D., PH.D., December 19th, 1924.

DOCTORS OF LITERATURE.

- H.R.H. Arthur William Patrick Albert, Duke of Connaught and Strathearn, K.G., K.T., K.P., G.C.S.I., G.C.M.G., C.B., November 4th, 1886.
 The Most Hon'ble Henry-Charles Keith Petty-Fitz-Maurice, Marquis of Lansdowne, G.M.S.I., G.C.M.G., G.M.I.E., Nov. 26th, 1889.
 The Right Hon'ble Victor-Alexander Bruce, Earl of Elgin and Kincardine, P.C., LL.D., Lord Bruce of Kinloss and Lord Bruce of Torry, in the Kingdom of Scotland, and Baron Elgin of Elgin, in the United Kingdom, December 1st, 1894.
 John Campbell Oman, Esq., January 4th, 1887.
 John Sime, Esq., C.I.E., LL.D., January 2nd, 1901.
 The Hon'ble Sir William Mackworth Young, M.A., K.C.S.I., C.S., December 21st, 1901.
 The Hon'ble Sir Charles Montgomery Rivaz, K.C.S.I., I.C.S., December 21st, 1906.
 His Excellency the Right Hon'ble Sir Gilbert John Elliot-Murray-Kynynmond, P.C., G.C.M.G., Earl of Minto, of Roxburgh, Viscount Melgund in the County of Forfar, Baron Minto of Minto, Roxburgh, and a Baronet of Nova Scotia, April 3rd, 1909.
 His Excellency the Right Hon'ble Charles, Baron Hardinge of Penshurst, P.C., G.C.B., G.M.S.I., G.C.M.G., G.M.I.E., G.C.V.O., I.S.O., April 1st, 1911.
 Revd. James Caruthers Rhea Ewing, M.A., D.D., LL.D., C.I.E., December 23rd, 1916.
 His Excellency Sir Edward Douglas MacLagan, M.A., K.C.S.I., K.C.I.E., I.C.S., December 21st, 1923.
 The Hon'ble Sir John Maynard, M.A., K.C.I.E., C.S.I., I.C.S., December 18th, 1925.
 His Excellency Sir William Malcolm Hailey, B.A., G.C.I.E., K.C.S.I., I.C.S., December 21st, 1928.

DOCTOR OF SCIENCE.

- Sir Jagadish Chandra Bose, M.A., K.T., C.S.I., C.I.E., D.Sc., LL.D., F.R.S.

DOCTORS OF LAW.

- The Hon'ble Sir William Henry Rattigan, K.T., LL.D., Barrister-at-Law, January 6th, 1896.

- The Hon'ble Sir Dennis Fitzpatrick, B.A., Barrister-at-Law, K.C.S.I., C.S., January 4th, 1897.
 Sir Charles Arthur Roe, K.T., M.A., January 3rd, 1899.
 Sir Charles Lewis Tupper, B.A., K.C.I.E., I.C.S., December 21st, 1907.
 Sir Charles Lewis Tupper, B.A., K.C.I.E., I.C.S., December 21st, 1907.
 Sir P. C. Chatterji, R.B., M.A., B.L., C.I.E., K.T., December 22nd, 1909.
 The Hon'ble Mr. Justice Frederick Alexander Robertson, Barrister-at-Law, I.C.S., December 7th, 1912.
 His Excellency the Right Hon'ble Frederick John Napier Thesiger, Baron Chelmsford, G.C.M.G., April 13th, 1917.
 Lieutenant-General His Highness Maharaja Sir Pratap Singh, Indar Mahindar, Bahadur, Sipar-i-Saltanat, G.C.S.I., G.C.I.E., of Jammu and Kashmir, December 22nd, 1917.
 The Hon'ble Sir Michael Francis O'Dwyer, G.C.I.E., K.C.S.I., I.C.S., December 21st, 1918.
 His Excellency Sir Geoffrey Fitzhervey deMontmorency, M.A., G.C.I.E., K.C.S.I., K.C.V.O., C.B.E., I.C.S., January 14th, 1933.
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FACULTY OF ORIENTAL LEARNING.

MASTER OF ORIENTAL LEARNING, 1927.

(*Under Regulation 12, Calendar page 157.*)

Dharma Dutta Mehra, M.A., D.I. Khan.

*P. Nand Lal Kaul Talib, M.A., Kashmir.

Abdul Qayyum, M.A., Montgomery.

*Barkat Ali Minhas, M.A., Gujranwala.

BACHELOR OF ORIENTAL LEARNING.

† Nil since 1910.

* Not been admitted to the Degree.

† For degrees conferred up to 1910, please refer to Panjab University Calendar (1921-22), Part II.

FACULTY OF ARTS.

DOCTOR OF LITERATURE.

1919

Mohd. Sadr-ud-Din, M.A., Lahore.*

1926

B. R. Chatterji, Calcutta.

MASTER OF ARTS.

1927

1927

(Miss) Janak Kumari Zutshi, G.C., English, II. | II.	K. K. Muttoo, G.C., English, III.
Nasir Ahmad, F.C.C., English, Ram Rakha Mall Dogra, G.C., English, II.	Raizada Ram Rakha Mal, G.C., English, III.
Harbhagwan Khungar, G.C., English, III.	Hansraj, G.C., English, III.
Har Kishan Lal Narang, G.C., English, III.	Amar Nath Kapur, G.C., Eng- lish, III.
Nand Kishor Banati, G.C., English, III.	Ram Chand Khanna, D.A. V.C., Sanskrit, I.
Kartar Singh Tarn Tarania, Hoshiarpur, English, III.	Hans Raj Aggarwal, S.D.C., Sanskrit, I.
Mohd. Hadi Hussain, G.C., English, III.	Prithu Ram Sharma, S.D.C., Sanskrit, II.
Sant Ram Varma, G.C., Eng- lish, III.	†Surya Dev (<i>alias</i> Suraj Singh) D.A.-V.C., Sanskrit, II.
	Mathura Dass Saggar, D.A.- V.C., Sanskrit, III.

ABBREVIATIONS USED IN THE LIST OF GRADUATES.

D.S.C.	indicates	Dyal Singh College, Lahore.
D.A.-V.C.	,,	D.A.-V. College, Lahore.
O.C.	,,	Oriental College, Lahore.
F.C.C.	,,	Forman Christian College, Lahore.
G.C.	,,	Government College, Lahore.
I.C.	,,	Islamia College, Lahore.
K.C.	,,	Khalsa College, Amritsar.
M.C.	,,	Mohindra College, Patiala.

* Where simply the name of a district is given the candidate was a Private Student of that district.

† Not been admitted to the Degree.

1927

Allah Bakhsh, Jhelum, Arabic, II.
 Mutiur Rahman, Sialkot, Arabic, III.
 Mohamed Abdul Latif Farooqi, Ludhiana, Arabic, III.
 M. S. K. Mallick, I.C., Persian, II.
 *Hafeez Ahmad, G.C., Persian, II.
 Ikramul Haque Saleem, G.C., Persian, II.
 Muhammad Husain Butt, Gujranwala, Persian, II.
 Nazir Ahmad, Gujranwala, Persian, III.
 Kanhya Lal Saqib, I.C., Persian, III.
 Hari Chand Sharma, I.C., Persian, III.
 Mohd. Yusuf Badr, Jhang, Persian, III.

1927

Khawaja Miraj-ud-Din Ahmad, Lahore, Persian, III.
 Ram Lal Gupta, G.C., Mathematics (Group A), I.
 Des Raj Puri, G.C., Mathematics (Group A), II.
 Amar Nath Sarma, F.C.C., Mathematics (Group A), II.
 *Shama Lal Seeru, G.C., Mathematics (Group A), III.
 Ram Singh Sachdev, G.C., Mathematics (Group A), III.
 *Des Raj Singh, G.C., Mathematics (Group A), III.
 Prem Kumar Syngal, F.C.C., Mathematics (Group A), III.
 Jyoti Prasad Aggarwal, F.C.C., Mathematics (Group A), III.
 Om Prakash Aggarwal, G.C., Mathematics (Group A), III.

ABBREVIATIONS USED IN THE LIST OF GRADUATES.

G.M.C.	indicates	Gordon Mission College, Rawalpindi.
P.W.C.	"	Prince of Wales College, Jammu.
S.P.C.	"	Sri Pratap College, Srinagar.
E.C.	"	Edwardes College, Peshawar.
Mry.C.	"	Murray College, Sialkot.
I.C.P.	"	Islamia College, Peshawar.
S.D.C.	"	Sanatana Dharma College, Lahore.
K.G.C.	"	Kinnaird College for Women, Lahore.
L.W.C.	"	The Lahore College for Women, Lahore.
S.E.C.	"	Sadiq-Egerton College, Bahawalpur.
L.C.	"	Law College, Lahore.
K.E.M.C.	"	K.E. Medical College, Lahore.
L.H.M.C.	"	Lady Hardinge Medical College, Delhi.
C.T.C.	"	Central Training College, Lahore.
A.C.	"	Agricultural College, Lyallpur.
R.C.	"	Randhir College, Kapurthala.
H.C.	"	Hailey College of Commerce, Lahore.
D.A.-V.C.J.	"	D.A.-V. College, Jullundur.
M.E.C.	"	MacLagan Engineering College, Moghalpura.

* Not been admitted to the Degree.

1927

Devki Nandan Vaid, G.C., History, II.
 Sampooran Singh Tandon, F.C.C., History, III.
 Hans Raj Gaiind, Shahpur, History, III.
 Ajit Singh, F.C.C., History, III.
 *Lachhmandass Suri, G.C., History, III.
 Ram Saran Dass Chopra, F.C.C., History, III.
 Harnam Dass, Lahore, History, III.
 Lakhpatrai, G.C., History, III.
 *Madan Lal Vohra, F.C.C., History, III.
 Rashid Ahmad, G.C., History, III.
 Chanan Singh Gill, Ferozepur, History, III.
 Autar Kishan Kaul, G.C., History, III.
 Jagat Ram Suri, F.C.C., Economics, II.

1927

Bal Raj Sahgal, G.C., Economics, II.
 Baland Raj Jaini, F.C.C., Economics, II.
 Khem Chand Sehgal, F.C.C., Economics, II.
 Parkash Chandra Gupta, G.C., Economics, III.
 Faqir Chand Bharadvaja, G.C., Economics, III.
 Osman Hyder Mirza, G.C., Economics, III.
 *A. N. Bakhshi, G.C., Psychology, II.
 *Vidyawati Doreen Mayadas, F.C.C., Psychology, II.
 *Sana Ullah, G.C., Psychology, III.
 Robert Justin, F.C.C., Psychology, III.
 Harnam Singh (Gurdaspuri), M.C., Philosophy, II.
 Reuben Das, M.C., Philosophy, II.
 Achal Singh Khurana, M.C., Philosophy, III.

BACHELOR OF ARTS (HONOURS SCHOOL).

1927

Chaman Lal, S.D.C., Sanskrit, III.
 Bansi Lal, D.A.-V.C., Mathematics, I.

1927

Shiv Narayan Sehgal, G.C., Mathematics, II.
 Sewa Ram Batra, S.D.C., Mathematics, III.

BACHELOR OF ARTS.

1927

Hafiz Abdul Majid, G.C., I.
 Sarv Daman Singh Chawla, (Honours in English), G.C., II.

1927

Rama Krishna, (Honours in English), G.C., II.
 Jagdhir Singh Ramana, G.C., II.

* Not been admitted to the Degree.

1927

Mumtaz Hasan Siddiqi, F.C.C.,
I.
*Indar Mohan Varma,
(Honours in English), G.C.,
I. [I.
Shankar Dass Sharma, D.S.C.,
Bawa Balwant Singh, (Hon-
ours in English), G.C., I.
Kishan Dyal, G.C., I.
Badri Parshad Puri, S.D.C., I.
Rugnath Sahai Mugrai, S.D.C.,
I.
Nabi Bakhsh Klasan, G.C., I.
Jaswant Singh, Mry.C., I.
Devi Datt, G.M.C., I.
Kesho Lal, F.C.C., I.
Bishambar Nath Vasudeva,
G.C., I.
Jagan Nath Agrawal, G.C., I.
Mangal Singh Monga, P.W.C.,
I.
Har Gopal, S.D.C., I.
Misbah-ul-Haq, I.C., I.
Bakhshi Harbans Singh Puree,
G.M.C., I.
Sundar Singh, F.C.C., II.
Mohd. Jamil, G.C., II.
Shamsher Bahadur, G.C., II.
Ghulam Rasul, I.C., II.
Siri Ram Sharma, S.D.C., II.
Vishwashwar Prasad Goyal,
G.C., II.
Jagdish Mittra Trehan, G.C.,
II.
*Gobind Ram, S.P.C., II.
Jhangi Ram Manocha, S.D.C.,
II.
Kashmiri Lal Taxali, S.D.C.,
II.
Bakhshi Rustam Ali, Mry.C.,
II.
*Sushila Singha, L.W.C., II.
Rattan Lal Misra, D A.-V.C.,
II.
Siraj Din, G.C., II.

1927

*Lekh Rajindar, D.S.C., II.
Ram Narain Batra, D.S.C.,
II.
Vidya Sagar Anand, Mry.C.,
II.
Kishan Chand Gosain, G.C.,
II.
Niaz Muhammad Khan
Barakzai, F.C.C., II.
*Gobind Lal, S.P.C., II.
Daya Prakash Tuli, G.C., II.
Anwar Khan, Mry.C., II.
Alwyn Alfred Edwin Binns,
Simla, II.
Ram Prakash Sarin, F.C.C.,
II.
Charanjit Singh, F.C.C., II.
Narotam Chandar, F.C.C., II.
Ratan Lal Bhatia, Mry.C., II.
*Shamboo Nath Ghasi, S.P.C.,
II.
*Gurbakhsh Singh, Lahore,
II.
*Harnam Kaur, L.W.C., II.
Mohan Singh Pindi, G.M.C., II.
Dwarka Das Aggarwal, D.A.-
V.C., II.
Chaman Lal Chopra, S.D.C.,
II.
Nand Kishore Aggarwal,
F.C.C., II.
*Laj Kaur, L.W.C., II.
Kundan Lal, G.C., II.
Janki Iyengar, L.W.C., II.
Bhisham Ji Gulati, F.C.C.,
II.
Imdad Husain, G.C., II.
Arjan Dass Gulaty, D.A.-V.C.,
II.
Amar Nath Manchanda, D.A.-
V.C., II.
Harnam Singh Chadha, G.M.C.,
II.
Bhagwant Rai Vasishta, G.C.,
II.

1927

Raj Indar Singh, G.C., II.
 Nirmal Chandra Hoon, G.C., II.
 Karam Narain Kapur, D.A.-V.C., II.
 Lajpat Rai Nair, F.C.C., II.
 Ghulam Mohyud Din, G.C., II.
 Raj Kumar Chugh, *alias* Bogha Ram Chugh, S.D.C., II.
 *Abdur Rashid Khan, E.C., II.
 *Mohd. Humayun, I.C., II.
 Chandan Lal, G.C., II.
 Kirpal Singh Chhilna, Ambala, II.
 Mehanga Mal Kanotra, D.S.C., II.
 Piaray Lal Bhasin, F.C.C., II.
 Des Raj, F.C.C., II.
 Chaman Lal Kohli, D.S.C., II.
 Radhey Mohan Lall Bhatnagar, F.C.C., II.
 Prabh Dyal Aggarwal, S.D.C., II.
 Hans Raj Kumar, Mry.C., II.
 Lahori Ram Aggarwal, K.C., II.
 Updesh Datt Soni, K.C., II.
 *Hargobind Lal, D.A.-V.C., II.
 Mohammad Afzal, G.C., II.
 Behari Lall Goswami, S.D.C., II.
 Amir Chand Sharma, P.W.C., II.
 Sh. Sajjad Ahmad Jan, *alias* Jan-i-Alam, G.C., II.
 *Sh. Faruq Ahmad, G.C., II.
 Ch. Mohammad Jalal "Mazhar", G.C., II.

1927

Indar Nath Chibbar, G.M.C., II.
 *Prem Nath Bazaz, S.P.C., II.
 Balwant Singh Kalkat, M.C., II.
 Pars Ram, D.A.-V.C., II.
 Satya Paul Bhardwaj, *alias* Telu Ram, G.C., II.
 Daulat Ram Jaini, S.D.C., II.
 Ram Lal Khanna, Lahore, II.
 Gian Chand Aggarwal, F.C.C., II.
 Indar Dev Dua, F.C.C., II.
 Ghulam Qadir Qureshi, Mry.C., II.
 Charanjit Lal Anand, G.M.C., II.
 *Radha Kishan Kav, S.P.C., II.
 Indra Krishen, D.A.-V.C., II.
 Amin Chandra Khanna, G.C., II.
 *Sant Ram Sawhney, S.D.C., II.
 Manzoor Ahmad, Mry.C., II.
 *Amar Dasi Madhwan, L.W.C., II.
 Madhu Sudan Lal, *alias* Ganda Ram, D.A.-V.C., II.
 Mehar Chand Shukla, F.C.C., II.
 Sherawan Kumar Gupta, F.C.C., II.
 Shambhu Dyal Malik, S.D.C., II.
 Mohammad Ramzan Khan, I.C., II.
 Rudra Mani Sharma, P.W.C., II.
 Chaman Singh Bhera, K.C., II.
 Gopal Krishan Sahni, F.C.C., II.

1927

Daulat Ram Puri, F.C.C., II.
 Banka Mall Khullar, D.A.-V.C., II.
 Dwarka Nath Batra, D.S.C., II.
 Bakhshish Singh Dhillon, F.C.C., II.
 *Nirmal Singh, Mry.C., II.
 Malawa Ram Passahan, F.C.C., II.
 Piara Lall Matta, S.D.C., II.
 Rahmat Ali, Mry.C., II.
 Hem Raj Tuli, M.C., II.
 P. L. Khosla, D.S.C., II.
 Malik Jagdish Rai Batra, D.S.C., II.
 Anwer Ali, (Honours in English), G.C., II.
 *Ch. Mohd. Sharif Ahmadi, Mry.C., II.
 Wazir Chand Mehra, E.C., II.
 Tek Chand, M.C., II.
 Man Singh Amritsari, K.C., II.
 Hans Raj Nanda, D.A.-V.C., II.
 Lajpat Rai Jain, F.C.C., II.
 W. J. Lazarus, F.C.C., II.
 Diwan Singh Chima, G.C., II.
 S. Amjad Ali, G.C., II.
 Narinjan Singh Sahni, G.M.C., II.
 *Sardar Khan, Lahore, II.
 Devki Nandan Syngal, Lahore, II.
 Ishwara Nand Tara, Rawalpindi, II.
 Birbal Sharma, D.A.-V.C., II.
 Brij Lal Ahuja, F.C.C., II.
 Harbans Singh Kapur, G.C., II.
 Nand Lal Sharma, S.D.C., II.
 *Ghulam Hassan Khan, S.P.C., II.

1927

*Khawja Abdul Qadir, Jammu, II.
 *Vasu Dev Sharma, Jammu, II.
 Bodh Raj Chopra, D.A.-V.C., II.
 Narain Das Bagga, E.C., II.
 Kundan Lal, Hissar, II.
 Waryam Singh Lyallpuri, K.C., II.
 Ram Das Sud, S.D.C., II.
 Amar Nath Kohli, P.W.C., II.
 Chaman Lal Gupta, Lahore, II.
 Amar Nath Hastir, Lahore, II.
 Madan Lall Bhagat, D.A.-V.C., II.
 Raghunandan Lall Chawdhry, F.C.C., II.
 *Mohamed Ashraf, I.C., II.
 *Hari Shwar Kaul, S.P.C., II.
 Karam Chand Murgai, Hissar, II.
 Kanwar Amar Singh, Lahore, II.
 Babu Ram Maini, D.A.-V.C., II.
 *Bal Ram Kohli, D.A.-V.C., II.
 Gobind Sahai Waderha (Sialkoti), F.C.C., II.
 Sahibzada Mohd. Abdul Majid, I.C., II.
 Mohd. Ibrahim, I.C., II.
 Sh. Abdul Rashid, I.C., II.
 Nabi Ahmad Cheema, I.C., II.
 Iqbal Chand Bhandari, G.M.C., II.
 Sardar Ahmad, S.E.C., II.
 Ch. Jalal-ud-Din Akbar, G.C., II.
 Sushil Kumar Jain, S.D.C., II.
 Mohindar Lal Isrish, M.C., II.

*Not been admitted to the Degree.

1927

Gurbachan Singh Shahpuri, K.C., II.
 Charanjit Lall Puri, D.A.-V.C., II.
 Jagan Nath Aggarwal, F.C.C., II.
 Altaf Hussain Mian, I.C., II.
 Mast Ram Kantor, S.D.C., II.
 W. Merrill Sadoc, G.M.C., II.
 *Sahibzada Mohd. Idris, I.C., II.
 *Dwarka Dass (Kaushal), Jullundur, II.
 Dina Nath Dhar, Kashmir, II.
 Ram Chand Mahajan, D.A.-V.C., II.
 Moti Ram, D.A.-V.C., II.
 Bhagirath Rai Saksena, F.C.C., II.
 *Maghar Singh Brar, G.C., II.
 Syed Mohammad Abbas Rizavi, I.C., II.
 Ram Saran Das Gupta, M.C., II.
 Benjamin John, Rawalpindi, II.
 Barkat Ram Parabhakar, D.A.-V.C., II.
 *Jiwanda Mal Anand, D.A.-V.C., II.
 *Hukam Chand Sehgal, F.C.C., II.
 Sada Ram Chaudhri, G.C., II.
 *Mohammed Abdus Sattar, S.E.C., II.
 Durga Dass Sarma, Amritsar, II.
 Siddiq Mohd., Multan, II.
 Malik Mohd. Afzal Khan, I.C., II.
 Sh. Iqbal Ahmad, I.C., II.
 Fateh Chand, Mry.C., II.
 Kundan Lal Chadha, Mry.C., II.

1927

Abdul Aziz Muftee, E.C., II.
 Kashmiri Lal Lau, P.W.C., II.
 Fazalur Rahman Butt, Sialkot, II.
 Austin Ponsonby, Rawalpindi, II.
 Bhagat Swarup Mitra, K.C., II.
 Phaggu Ram Aggarwal, D.A.-V.C., II.
 Kanwar Lall Magoon, S.D.C., II.
 Ghamdur Singh Gil, M.C., II.
 Lahri Singh, Rohtak, II.
 Mohan Singh, Rawalpindi, II.
 Chiranji Lal Rishi, D.A.-V.C., II.
 Bhim Sen, D.A.-V.C., II.
 Dial Chand Bhatia, D.A.-V.C., II.
 Sajan Singh, D.A.-V.C., II.
 Teja Singh, D.S.C., II.
 Parshotam Ram Jhingan, F.C.C., II.
 *S. Ghulam Khaliq, G.C., II.
 *K. M. Asad, I.C., II.
 *Lachhman Raina, S.P.C., II.
 *Sarup Nath Mirakhur, S.P.C., II.
 *Mahan Singh Bhatti, M.C., II.
 Bhagwan Dass Mohla, Lahore, II.
 *Udho Ram, Rawalpindi, II.
 *Mohamed Shariff, Jammu, II.
 Sujan Singh, Shahpuria, F.C.C., II.
 Ram Lall Aggarwal, G.C., II.
 *Ratna Chandra Talwar, S.D.C., II.
 Radhe Lal, D.A.-V.C., II.
 Ram Dhan Talwar, D.A.-V.C., II.

1927

Mohd. Saifur Rahman "Qais",
D.S.C., II.
Narendranath Bhandari, G.C.,
II.
*Niamat Ullah Sahi, I.C., II.
Ghulam Rasheed Khan, I.C.,
II.
Rattan Chand Aggarwal,
S.D.C., II.
Shaikh Mohamad Iqbal Talib,
G.M.C., II.
*R. Prem Singh Bali, G.M.C.,
II.
*Diwan Prithvi Nath Kapoor,
E.C., II.
Jagat Ram, M.C., II.
Sukhrām Das Phassey, M.C.,
II.
Hans Raj Abrol, Gurdaspur,
II.
Sardari Lall Handa, Gujrat,
II.
Mohd. Yaqub Ali, Mianwali,
II.
Ram Nath, K.C., II.
Pindi Dass Chopra, D.A.-V.C.,
II.
Mul Raj Gorowara, D. S.C.,
II.
Chaman Lal Anand, F.C.C.,
II.
Hans Raj Dhawan, F.C.C., II.
Hardyal Singh, G.C., II.
*Abdur Rahman Khan
Miankhel, I.C.P., II.
*Manzoor Ahmad Chima,
P.W.C., II.
*Abdulla Khan, M.C., II.
*Chaudhri Ghulam Hussain
Waraich, (Honours in
History), Gujrat, II.
Pritam Singh Lyallpuri, K.C.,
II.
Tulsi Ram Marwaha, D.A.-
V.C., II.

1927

Mehta Raghu Nath Singh
Mohan, D.S.C., II.
Narinder Nath, G.C., II.
Ch. Tufail Ahmad, I.C., II.
Ch. Mohd. Nawaz, I.C., II.
Lachhman Dass, S.D.C., II.
Gian Chand Popli, Mry.C., II.
*Malik Habib Ullah Khan,
G.M.C., II.
Khem Raj Bhagat, G.M.C., II.
Arjun Nath Sapru, S.P.C., II.
Brahma Datt Kaushala,
Lahore, II.
Tulsi Das Dhingra, Lahore,
II.
Gauri Shankar Siyal, Lahore,
II.
Ram Saran Luthra, Lahore,
II.
Ishwar Dass Sekhri, Lahore,
II.
Diwan Chand Bagga, Shahpur,
II.
Madan Lal Kumar, F.C.C., II.
*Shabbir Hussain Sayad, I.C.,
II.
Abdul Hamid, Mry.C., II.
*Maqsood Jan, I.C.P., II.
Sardar Khan Kun, I.C., II.
Suraj Bhan, M.C., II.
Raj Kishor, Lahore, II.
Harbans Lall Mudan, Jhelum,
II.
Chaudhri Ajaib Khan, Rawal-
pindi, II.
Rishi Ram Grover, Dera
Ismail Khan, II.
*Bishan Das Bansal, K.C., II.
Gurbachan Singh Bedi,
(Honours in English), K.C.,
II.
Des Raj Kalucha, D.A.-V.C.,
II.
Amar Nath Majithia, D.A.-
V.C., II.

1927

Shadhu Ram Sharma, M.C., II.
 *Lahori Ram Bassi, M.C., II.
 *Dhan Raj Juneja, Gujran-wala, II.
 Pran Nath Mehta, D.A.-V.C., II.
 Chet Ram Mital, F.C.C., II.
 Narindar Nath, G.C., II.
 *Subha Sadiq, G.M.C., II.
 *Awan Khan, I.C.P., II.
 *Pershotam Singh Manhas, *alias* Parma Nand, P.W.C., II.
 *Keshive Nath Vishin, S.P.C., II.
 Manohar Lall Aggarwal, Lahore, II.
 Narindra Nath Bhatia, K.C., II.
 Tek Chand Chopra, D.S.C., II.
 Radha Kishan Punshi, F.C.C., II.
 P. N. Bhanot, F.C.C., II.
 Des Raj Bhatia, G.C., II.
 Muhammad Iqbal Khan, G.C., II.
 Kewal Krishan Thapar, *alias* Nathu Lal Thapar, G.C., II.
 Fida Mohd, Khan, G.C., II.
 Hirday Narain Rajpal (Honours in History), G.M.C., II.
 *Abdul Jalil, E.C., II.
 *Sayid Mohd. Hayat Ullah Bukhary, I.C.P., II.
 *Mohd. Abdullah Dhar, P.W.C., II.
 *Bakhshi Wishwa Mittar, S.P.C., II.
 Premsukh Mohunta, Lahore, II.
 Bhadar Sen Puri, D.A.-V.C., II.
 Ram Lal Malik, D.S.C., II.

1927

Raj Lal, D.S.C., II.
 Chandar Sain Sharma, F.C.C., II.
 Gurcharn Singh, (Honours in English), G.C., II.
 Harcharan Singh Bhandari, (Honours in English), G.C., II.
 Rajendra Singh, G.C., II.
 Irshad Ahmad Khan Irshad Lodhi, (Honours in Persian), I.C., II.
 Niaz Mohd., I.C., II.
 Fazal Karim, I.C., II.
 Thakar Dass Gosain, S.D.C., II.
 Sundar Singh Nayar, (Honours in Economics), S.D.C., II.
 Mozaffar Khan, Mry.C., II.
 Bakhshi Kul Raj Harnal, G.M.C., II.
 (Miss) Eva Banerji, G.M.C., II.
 Jaimal Singh Katal, P.W.C., II.
 Rup Lal, M.C., II.
 Peshawar Singh, Muzaffargarh, II.
 *Prem Nath Misri, Kashmir, II.
 *Devindar Kaur, (Honours in Philosophy), K.G.C., II.
 Amar Chandra Sharma, K.C., II.
 Hira Lal Malhotra, D.S.C., II.
 Faqir Chand Nauhria, F.C.C., II.
 Kundan Lal Sethi, (Honours in English), F.C.C., II.
 Duli Chand Gupta, S.D.C., II.
 Kishan Chand Mital, S.D.C., II.
 Beni Prasad Mahajan, S.D.C., II.
 *Faqir Chand Jandial, Mry.C., II.

* Not been admitted to the Degree.

1927

*Tara Chand Datta, G.M.C.,
 II.
 *Praim Nath Munshi, S.P.C.,
 II.
 Bhagwat Swarup Loomba,
 M.C., II.
 Jagan Nath Sharma, Hissar,
 II.
 Ghulam Mohd. Nusrat,
 Hoshiarpur, II.
 Sh. Fakhr-ud-Din Chishti,
 I.C., II.
 Jamal-ud-Din Mahmood, I.C.,
 II.
 *Sheonath Singh Talwar,
 S.D.C., II.
 S. S. S. Hussain Shah, I.C.P.,
 II.
 A. M. Salim, I.C.P., II.
 Girdhari Lall Malhotra,
 P.W.C., II.
 Kashmiri Lal Vij, Lahore,
 II.
 Roshan Lall Loomba, Lahore,
 II.
 *Jai Krishen Nanda, Rawal-
 pindi, II.
 Devi Ditta Mal, Montgomery,
 II.
 Shanti Narain Manocha, Dera
 Ghazi Khan.
 Dhani Ram Chaudhri, D.A.-
 V.C., II.
 Vipra Bandhu Arya, D.A.-
 V.C., II.
 Ch. Chaman Lal Pruthi, D.A.-
 V.C., II.
 Sohan Lall, F.C.C., II.
 Imtiaz Ali, F.C.C., II.
 Mohd. Shafi Beg Mirza, G.C.,
 II.
 Khuda Bakhsh Saleem, G.C.,
 II.
 Mirza Khalil-ur-Rahmen, I.C.,
 II.

1927

Devki Nandan Vaidya, S.D.C.,
 II.
 Ram Parshad Gupta, S.D.C.,
 II.
 Amar Nath Sharma, S.D.C.,
 II.
 Mast Ram Vasishta, S.D.C.,
 II.
 Moti Lall Gool, S.D.C., II.
 Bal Krishan Butan, S.D.C.,
 II.
 *Sher Bahadur Khun, I.C.P.,
 II.
 *Harish Chandra, M.C., II.
 Bausi Dhar, Chamba, II.
 *Shamsher Jhang Bahadur
 Mathur, Jammu, II.
 Bishan Dass Mahajan, D.A.-
 V.C., II.
 Dina Nath Girotra, D.A.-V.C.,
 II.
 Jaimal Singh, F.C.C., II.
 Shiv Diyal Vohra, F.C.C., II.
 Sardari Lal Bhusri, F.C.C.,
 II.
 Brij Lal Sharma, F.C.C., II.
 Tarlok Nath Madan, F.C.C.,
 II.
 *Nasrullah Khan Bajwa, I.C.,
 II.
 Lal Chand Chopra, (Honours
 in English), S.D.C., II.
 Jai Diyal Patiar, S.D.C., II.
 Sita Ram Suri, G.M.C., II.
 Sant Sing Dugal, G.M.C., II.
 *Jai Singh Oberoi, G.M.C., II.
 Nund Lal Sharfna, G.M.C., II.
 *Zahour-ul-Hassan Hanfia,
 M.C., II.
 *Malik Balwant Singh, Feroze-
 pur, II.
 Nand Kishore Jhingan, Am-
 ritsar, II.
 *Sh. Wahid Bakhsh, Amritsar,
 II.

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Muhammad Ismail, Lahore, II.
 Krishan Singh, Lahore, II.
 Balwant Singh Bajwa, K.C., II.
 Mohr Singh, Wazirabadi, D.A.-V.C., II.
 Devki Nandan, D.S.C., II.
 Saudagor Mal Chawla, F.C.C., II.
 *Gurdial Singh Sanghota, F.C.C., II.
 Chuni Lal Bery, G.C., II.
 Gopi Raman Lal, G.M.C., II.
 *Qazi Mohtadullah, E.C., II.
 *Tika Lal Wakhloo, S.P.C., II.
 Rana Abdur Rehman Khan, Lahore, II.
 Mangha Ram Bajaj, Rawalpindi, II.
 Seyed Habib Ahmad, I.C., II.
 Gopi Chand Aggarwal, S.D.C., II.
 Balk Singh, Mry.C., II.
 *Faiz Mohd. Babr, E.C., II.
 *Amar Nath Koul Hust, S.P.C., II.
 Ladhu Mal Ralli, Jhelum, II.
 Bhupal Singh, K.C., II.
 Dhian Singh, K.C., II.
 *Awtar Singh Shahpuri, K.C., II.
 Raghunandan Lal Bhatnagar, D.A.-V.C., II.
 Moti Ram, S.D.C., II.
 *Wishan Narain Butan, *alias* Wishnu Ram Butan, S.D.C., II.
 Labh Singh Man, Sheikhpura, II.
 Malik Mulk Raj Anand, D.A.-V.C., II.
 K. Hamir Chand, D.A.-V.C., II.

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Gurdial Singh Sidhoo, D.S.C., II.
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 *Tek Chand Pasricha, F.C.C., II.
 Arjan Singh, F.C.C., II.
 Bishan Dayal Gupta, F.C.C., II.
 Sh. Mahmud Aziz, G.C., II.
 Ram Rattan Sethi, G.C., II.
 *Dhyan Singh, Mry.C., II.
 *Mohd. Saddiq, E.C., II.
 Kapur Singh D. S. Wala, M.C., II.
 Chambel Singh Bachhas, M.C., II.
 Hukam Singh Ahluwalia, M.C., II.
 Girdhari Lal Jain, Rohtak, III.
 Hem Chandra, Karnal, III.
 *Gainda Ram, Ambala, III.
 Shanti Swarupa Kaushal, Ambala, III.
 Bishan Narayan Khanna, Simla, III.
 Shambhu Dial, Simla, III.
 Hukam Singh Kung, Hoshiarpur, III.
 Data Ram Kapur, Jullundur, III.
 *Naziralam Hashimi, Jullundur, III.
 Noor Muhammad, Jullundur, III.
 Hans Raj Bhalla, Jullundur, III.
 Rattan Chand Mahajan, Jullundur, III.
 *Kesar Singh Ludhianvi, Ludhiana, III.
 *Jagir Singh Ludhianvi, Ludhiana, III.
 Nand Lal Palta, Ludhiana, III.

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 *Kanwar Thakar Singh, Gurdaspur, III.
 Mulk Raj Beri, Gurdaspur, III.
 *Fazalud Din Ahmad Khan, Gurdaspur, III.
 Mulk Raj Malhotra, Gurdaspur, III.
 Arjan Singh, Amritsar, III.
 *Gian Chand Kapur, Amritsar, III.
 *Lekh Raj Devar, Lahore, III.
 Jetha Nand Kalra, Lahore, III.
 Sh. Mohd. Yasin Dar, Lahore, III.
 Syed Nur Shah, Lahore, III.
 Zarif Hussain, Lahore, III.
 Mohd. Tayyab, Lahore, III.
 Sidhu Ram Chawla, Lahore, III.
 Champat Rai Jain, Lahore, III.
 S. Mozaffarud Din, Lahore, III.
 Sayed Shamshad Ahmad, Lahore, III.
 Nazim Ali Shah, Lahore, III.
 Avtar Singh Lamba, Lahore, III.
 Bakhshi Ram Bahl, Lahore, III.
 *Puran Singh, Lahore, III.
 Harbaus Lal Abasdi, Lahore, III.
 Ram Lall Batra, Lahore, III.
 Puran Chand Ghai, Lahore, III.
 Tikan Ram Batra, Lahore, III.
 *Hari Singh Virak, Lahore, III.

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Gur Charan Singh Ahluvalia, Lahore, III.
 Gurbachan Singh Rangpuri, Lahore, III.
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 Rishi Ram Chopra, Lahore, III.
 Roshan Lal Mehindru, Lahore, III.
 Gela Ram Sochdev, Lahore, III.
 Brij Mohan Lal Ahuja, Lahore, III.
 Vidya Sagar Vaid, Lahore, III.
 Jai Parkash Malhotra, Lahore, III.
 Barkat Ram Kalia, Lahore, III.
 Ram Dass Manchanda, Lahore, III.
 Mohd. Abdul Rashid, Lahore, III.
 *Sardar Khan, Lahore, III.
 *Akhtar Hasan Jamil, Lahore, III.
 Mohd. Hussain, Sheikhupura, III.
 Bishan Das, Sheikhupura, III.
 Jagat Singh, Sheikhupura, III.
 Parma Nand, Sheikhupura, III.
 Harnam Singh Sethi, Sheikhupura, III.
 Muhammad Murtaza Khan, Sialkot, III.
 Buta Singh, Sialkot, III.
 *Garcharn Singh, Sialkot, III.
 *Abdur Rashid, Gujrat, III.
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 Syed Phul Badshah, Attock, III.
 Sh. Mohammad Ashraf Zar, Attock, III.
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 Khan Muhammad Khan, Mianwali, III.
 Inayat Ullah, Rawalpindi, III.
 Thakar Singh, Rawalpindi, III.
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 Sunder Das, Rawalpindi, III.
 Gauri Shankar Lal, Montgomery, III.
 Kehar Singh, Lyallpur, III.
 Burkat Ram Mahotra, Lyallpur, III.
 Sunder Das, Jhang, III.
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 Sant Lal Dhawan, Jhang, III.
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 *Bashir Ahmad, Multan, III.
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 **Mohad Shah Sarwar Khan, Peshawar, III.*
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 Kundan Lal Tuli, D.A.-V.C., III.
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 *Sher Singh, D.A.-V.C., III.
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 Neb Raj Chugh, D.S.C., III.
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 *Prem Narain Jain, D.S.C., III.
 *Sarwan Singh Sahota, D.S.C., III.
 Daya Ram Gupta, D.S.C., III.
 Malik Kul Bhushan, D.S.C., III.
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 Sardar Singh Wariach, D.S.C., III.
 Lahori Mal Oberoi, D.S.C., III.
 Ch. Indar Lall Manchanda, D.S.C., III.
 Fateh Singh Ramdas, D.S.C., III.
 Mitra Sen Batra, D.S.C., III.
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 Hans Raj Puri, D.S.C., III.
 *Bakhshi Prailad Singh, D.S.C., III.
 Jagdish Rai Sharma, D.S.C., III.
 Kishori Lall Kaistha, D.S.C., III.
 Narindar Nath Dewan, D.S.C., III.
 Moti Lall Kapur, D.S.C., III.
 Chuni Lall Dua, D.S.C., III.
 K. C. Mitra, D.S.C., III.
 Tara Chand Sud, D.S.C., III.
 Pashauri Lall Kayastha, D.S.C., III.
 Puran Chand Thakral, D.S.C., III.
 Pirthwi Raj, D.S.C., III.
 Gurbakhsh Singh, D.S.C., III.
 Piyare Lal, D.S.C., III.
 *Baldev Parshad Sharma, F.C.C., III.
 Ghulam Mohammad Malik, F.C.C., III.

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 *Chuni Lall Talwar, F.C.C., III.
 *Sultan Ali, F.C.C., III.
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 Ch. Khushi Mohammad Adil, F.C.C., III.
 Suraj Mall, F.C.C., III.
 Harnani Singh Mongia, F.C.C., III.
 Muhd. Anwar Khan, F.C.C., III.
 Benarsi Dass Ahluwalia, F.C.C., III.
 Mohan Lall, F.C.C., III.
 Swadesh Bhagat, F.C.C., III.
 *Awtar Singh, F.C.C., III.
 Amar Nath Kirpal, F.C.C., III.
 Sirirama Paul, F.C.C., III.
 Indar Singh Malik, F.C.C., III.
 Darbari Lal Bhalla, F.C.C., III.
 Amar Nath Batra, F.C.C., III.
 Ch. Abdul Hamid Khan, F.C.C., III.
 Bhag Singh, F.C.C., III.
 Bhana Lall Thakkar, F.C.C., III.
 A. N. Bhanot, F.C.C., III.
 *Harcharan Singh Kaleka, F.C.C., III.
 Iswar Singh Berry, F.C.C., III.
 *Iqbal Nath, F.C.C., III.
 *Jawahir Lal Kapur, F.C.C., III.
 Prem Chand Nischol, F.C.C., III.
 Rama Krishna Aggarwal, F.C.C., III.
 Ram Labhaya Kapur, F.C.C., III.

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Mir Mohd. Shafi, F.C.C., III.
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 S. Harish Chandra Goyal, F.C.C., III.
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 Diwan Narain Datta Uppal, F.C.C., III.
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 *Zafar Alim Minhas, G.C., III.
 Mohammad Hassan "Latifi", G.C., III.
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 Lal Chand Jain, G.C., III.
 *Nahar Singh Panaich, G.C., III.
 Ch. Bashir Ahmad Khan Tarar, G.C., III.
 Sheikh Mubarik Ali Shah Qureshi, G.C., III.
 Abdul Rahman Mhain, G.C., III.
 Harbans Lal, G.C., III.
 F. Mohd. Iqbal, G.C., III.
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 Lachhman Singh Panghlia, G.C., III.
 Sayad Iqbal Hussain Razwi, G.C., III.
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 Syed Ghulam Mohyud Din Jilani, G.C., III.
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 Mangat Rai Kapur, G.C., III.

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Gurbax Singh, G.C., III.
 Raghubir Chandar Thukral,
 G.C., III.
 Teja Singh Sidhu, G.C., III.
 Amar Nath Kapur, G.C., III.
 *Harbans Singh Jallawala,
 G.C., III.
 Mohd. Sharif Malik, G.C., III.
 S. Jogindar Singh "Montgo-
 mery", G.C., III.
 Sayed Sardar Mohd. Hasani,
 G.C., III.
 Arganjan Singh Bhayee, G.C.,
 III.
 Pragat Singh Sekhon, G.C.,
 III.
 Iswar Chandra Bajisura, G.C.,
 III.
 Abdur Rashid "Arshad", I.C.,
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 Abdul Hamid, I.C., III.
 *Sultan Habib Shah, I.C., III.
 Ch. Nazir Ahmad Ahmadi,
 I.C., III.
 Nawab Din, I.C., III.
 Sh. Iqbal Bakhsh, I.C., III.
 *S. Sultan Ahmad Sadozai,
 I.C., III.
 H. Mazharul Haq, I.C., III.
 Mohammad Ferozud Din, I.C.,
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 Jahangir Khan, I.C., III.
 *Fazal Karim, I.C., III.
 *S. Gilani Shah, I.C., III.
 Muhammad Abdul Latif, I.C.,
 III.
 *Jamal-ul-Din Mahbub
 Chaudri, I.C., III.
 *Sh. Mohd. Zaka Ullah, I.C.,
 III.
 Mushtaq Ahmad Ezad, I.C.,
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 *Mohd. Akram Khan Ghauri,
 I.C., III.
 *K. M. Aslam, I.C., III.

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Dilawar Husain Khan, I.C.,
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 *Sayyed Aulad Hussain, I.C.,
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 Ch. Mohd. Salim-ud-Din, I.C.,
 III.
 Ch. Muhammad Salim, I.C.,
 III.
 Mohd. Said, I.C., III.
 S. Qadir Bakhsh Chaudhry,
 I.C., III.
 *Khawaja Noor Ilahi, I.C.,
 III.
 Nand Lal Rajpal, S.D.C., III.
 *Shanti Swaroop, S.D.C., III.
 Jwala Dass Sant, S.D.C., III.
 Har Dyal Bahl, S.D.C., III.
 Rup Lal Mandla, S.D.C., III.
 Amar Nath Bhardwaj, S.D.C.,
 III.
 Jwalaprashad Goela, S.D.C.,
 III.
 *Gosain Pritam Lal, S.D.C.,
 III.
 Partap Singh Sood, S.D.C.,
 III.
 Gobind Ram Ghambir, S.D.C.,
 III.
 Dev Indar, S.D.C., III.
 Hans Raj Arora, S.D.C., III.
 *Narindra Nath, S.D.C., III.
 Diwan Chand, I, S.D.C., III.
 *Prakash Raj Jain, S.D.C., III.
 Puran Chand Aggarwal,
 S.D.C., III.
 Jiwan Das Chugh, S.D.C.,
 III.
 Mangat Ram Dhalla, S.D.C.,
 III.
 *Hukam Chand Hans, S.D.C.,
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 *Devi Charan, S.D.C., III.
 *Som Deva Bedi, S.D.C., III.
 *Jesa Ram Kubba, S.D.C.,
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- *Gian Chand, S.D.C., III.
 Shadi Lal Jain, S.D.C., III.
 Romesh Chandra Jain, S.D.C., III.
 *K. Hari Ram, S.D.C., III.
 Hari Chand, S.D.C., III.
 *Charanjit Lall, S.D.C., III.
 Ram Saran Sh., S.D.C., III.
 Koshalya Nand Anand, S.D.C., III.
 Kesho Das Manuja, S.D.C., III.
 Kishan Chand Rajput, S.D.C., III.
 Brij Behari Lal Bhatnagar, S.D.C., III.
 Manohar Lal Trikha, S.D.C., III.
 Bakhshish Singh Sandal, S.D.C., III.
 *Ram Krishna Dev Garg, S.D.C., III.
 Brindaban Shastri, S.D.C., III.
 Jagdish Chander Bhatia, Mry.C., III.
 Abdul Majid Khan Ghori, Mry.C., III.
 Maqbul Khan, Mry.C., III.
 Kartar Singh Toor, Mry.C., III.
 S. Abbas Ali Shah, Mry.C., III.
 Sayed Abdul Jalil Jaffery, Mry.C., III.
 Syed Ataur Rahman, Mry.C., III.
 Syed Abid Ali, Mry.C., III.
 *Bhagat Ram Chadha, Mry.C., III.
 *Abdul Salim Virk, Mry.C., III.
 *Barkat Ram, Mry.C., III.
 *Mirza Safdar Jang, Mry.C., III.
 *Abdul Ghani, G.M.C., III.

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- Malik Mohd. Akram Khan, G.M.C., III.
 Keshori Lal, G.M.C., III.
 David Fazl Din, G.M.C., III.
 *Tara Singh, G.M.C., III.
 Alfred Salahud Din, G.M.C., III.
 Sobh Raj Arora, G.M.C., III.
 Lekh Ram Sharma, G.M.C., III.
 Kirpal Singh Anand, G.M.C., III.
 Gurbachan Singh Ahluwalia, G.M.C., III.
 Sita Ram Anand, G.M.C., III.
 Mohd. Anwar Khan, E.C., III.
 *Chaudhri Mohammad Sadiq, E.C., III.
 *Mohammad Tuffail Khan, E.C., III.
 *Mohd. Farid Khan, E.C., III.
 Sharif Ullah, E.C., III.
 *Malikur Rahman Kayani, E.C., III.
 *Alif Din Khilji, E.C., III.
 Hadayat Ullah, E.C., III.
 Mohd. Jamshaid, I.C.P., III.
 *Mohd. Zaffar, I.C.P., III.
 *Ain-ud-Din, I.C.P., III.
 Malik Mohd. Ashraf, I.C.P., III.
 *Pir Mohd., I.C.P., III.
 *Haidar Khan, I.C.P., III.
 *Abdul Qadir, I.C.P., III.
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 *Khwaja Mohd., I.C.P., III.
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 *Bodhraj Sharma, P.W.C., III.
 *Jaggo Mal Gupta, P.W.C., III.

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 Sarup Singh Virk, P.W.C.,
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 Mohan Lal Duggal, P.W.C.,
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 Ishwar Das Malhotra, P.W.C.,
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 Rai Inderjit Singh, S.P.C.,
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 *D. S. Puran Singh Sandhu,
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 Sita Ram Aggarwal, Hissar,
 III.
 Hans Raj, Shahpur, III.
 †Jeoti Prasad Sharma,*
 D.A.-V.C., III.

*List of persons who have passed
 the Honours Examination in
 B.A.*

Siraj Din, G.C., English.
 Indar Mohan Varma, G.C.,
 English.
 Hafiz Abdul Majid, G.C.,
 English.
 Rama Krishna, G.C., English.
 Imdad Husain, G.C., English.
 Sushila Singh, L.W.C.,
 English.
 Sarv Daman Singh Chowla,
 G.C., English.
 Bawa Balwant Singh, G.C.,
 English.
 Bal Ram Kohli, D.A.-V.C.,
 English.
 Pindi Dass Chopra, D.A.-V.C.,
 English.

* Not been admitted to the Degree.

† Passed under Regulation 21, Calendar (1927-28), page 283
 (Syndicate Resolution 11, dated the 14th October, 1927).

1927

Naratam Chandar, F.C.C.,
English.
Muhd. Ibrahim, I.C., English.
Jagdish Mitra Trehan, G.C.,
English.
Jaswant Singh, Mry.C.,
English.
Anwar Ali, G.C., English.
Hans Raj Kumar, Mry.C.,
English.
Kundan Lal, G.C., English.
Banka Mal Khullar, D.A.-
V.C., English.
Satya Paul Bhardwaj *alias*
Telu Ram, G.C., English.
Sh. Faruq Ahmad, G.C.,
English.
Amar Dasi Nadhwan, L.W.C.,
English.
Diwan Singh Chima, G.C.,
English.
Sh. Sajjad Ahmad Jan *alias*
Jan-i-Alam, G.C., English.
Bhagwant Rai Vasishta, G.C.,
English.
Devi Datt, G.M.C., English.
Gobind Sahai Waderha
(Sialkoti), F.C.C., English.
Gurcharn Singh, G.C., Eng-
lish.
Har Gopal, S.D.C., English.
Devi Charan, S.D.C., English.
Kundan Lal Sethi, F.C.C.,
English.
Brij Lal Sharma, F.C.C.,
English.
Chaman Lal Chopra, S.D.C.,
English.
Badri Tarshad Puri, D.S.C.,
English.
S. Amjad Ali, G.C., English.
Indar Dev Dua, F.C.C.,
English.
Amolak Ram Khanna, G.C.,
English.
Sh. Abdul Rashid, I.C.,
English.

1927

Siri Ram Sharma, S.D.C.,
English.
Gurdial Singh Sanghota,
F.C.C., English.
Jhangi Ram Manocha, S.D.C.,
English.
Wazir Chand Mehra, E.C.,
English.
Bishambar Nath Vasudeva,
G.C., English.
Indar Nath Chhibber, G.M.C.,
English.
Mohan Singh Pindi, G.M.C.,
English.
Karam Narain Kapur,
D.A.-V.C., English.
Moti Ram, D.A.-V.C., Eng-
lish.
Lal Chand Chopra, S.D.C.,
English.
Waryam Singh Lyallpuri,
K.C., English.
Radhey Mohanlall Bhatnagar,
F.C.C., English.
Bakhshish Singh Dillon,
F.C.C., English.
Sh. Mahmud Aziz, G.C.,
English.
Gurbachan Singh Bedi, K.C.,
English.
Barkat Ram Prabhakar,
D.A.-V.C., English.
Sayed Sardar Mohd. Hasani,
G.C., English.
Kundan Lal Salhotra,
D.A.-V.C., English.
Narender Nath, G.C., English.
Rugnath Sahai Mugrai, S.D.C.,
English.
Karam Chand Murgai, Hissar,
English.
Harcharan Singh Bhandari,
G.C., English.
Ch. Jalal-ud-Din Akbar, G.C.,
Persian.
Nand Kishore, Jhingan,
Amritsar, Persian.

1927

Irshad Ahmad Khan Irshad
Lodhi, I.C., Persian.
Balik Singh, Mry.C., Persian.
Bakhshi Harbans Singh Puree,
G.M.C., History.
Jagan Nath Agrawal, G.C.,
History.
Alwyn Alfred Edwin Binns,
Simla, History.
Mohd. Jamil, G.C., History.
Indra Krishen, D.A.-V.C.,
History. [History.
Mohammad Afzal, G.C.,
Nirmal Chandra Hoon, G.C.,
History.
Sada Ram Chaudri, G.C.,
History.
Amar Nath Kirpal, F.C.C.,
History.
Diwan Chand Sharma,
K.C., History.
Bhagat Swarup Mitra, K.C.,
History.
Chaudhri Ghulam Hussain
Waraich, Gujrat, History.
Hirday Narain Rajpal, G.M.C.,
History.
Nirmal Singh, Mry.C., History.
Rattan Chand Aggarwal,
S.D.C., History.
Malik Mohd. Afzal Khan, I.C.,
History.
Barkat Ram Kalia, Lahore,
History.
Shamsher Bahadur, G.C.,
Economics.

1927

Niaz Mohammad Khan Barak-
Zat, F.C.C., Economics.
Harnam Singh Chadha,
G.M.C., Economics.
Ratan Lal Misra, D.A.-V.C.,
Economics.
Prabh Dyal Aggarwal, S.D.C.,
Economics.
Sundar Singh, F.C.C., Econo-
mics.
Kundan Lal Kohli, G.M.C.,
Economics.
Sahibzada Mohd. Idris, I.C.,
Economics.
Sundar Singh Nayar, S.D.C.,
Economics.
Manzoor Ahmad, Mry.C.,
Philosophy.
Bakhshi Rustam Ali, Mry.C.,
Philosophy.
Devindar Kaur, K.G.C., Phil-
osophy.
Mumtaz Hasan Siddiqi, F.C.C.,
Psychology.
Madan Lal Kumar, F.C.C.,
Psychology.
Jagdhir Singh Ramana, G.C.,
Physics.
Bhisham Ji Gulati, F.C.C.,
Physics.
Ghulam Rasul, I.C., Phy-
sics.
Charanjit Singh, F.C.C.,
Physics.
Mohd. Humayun, I.C.,
Physics.

BACHELOR OF ARTS (SUPPLEMENTARY).

1926

*Devaki Nandana Sharma,
F.C.C., II.

1926

Vaishakhi Ram Aggarwal,
G.C., II.

* Not been admitted to the Degree.

1926

Madan Vyas, Multan, II.
 Mohd. Sarwar Khan, Peshawar, II.
 Ram Pratap Pandove, M.C., II.
 Behari Lal Gupta, D.S.C., II.
 Shaikh Hamidullah, K.C., II.
 Nazir-ul-Islam, F.C.C., II.
 *Bachan Singh Gill, M.C., II.
 *Bansi Lal Bhirat, F.C.C., II.
 Khuda Bakhsh Bhatti, G.C., II.
 Lal Chand, Gurdaspur, II.
 Sardari Lal Prasher, F.C.C., II.
 Sher Singh, G.C., II.
 Mohamed Umer, F.C.C., II.
 Ram Gopal, Rawalpindi, II.

1926

Ban Vira Puri, D.A.-V.C., II.
 Ghulam Mohd. Khan, Lahore, II.
 *Bhagwan Das Gera, Lahore, II.
 *Abdul Ghafur, G.C., II.
 Lachhman Dass Tewari, Ludhiana, II.
 Karam Narain Sabherwal, Gujrat, II.
 *Amar Singh Hotiwala, Peshawar, II.
 Thakar Singh Dhaliwal *alias* Shamsher Singh, F.C.C., II.
 Din Mohammad Fakhir, I.C., II.
 Khilanda Ram, D.S.C., III.

FACULTY OF SCIENCE.

DOCTOR OF SCIENCE.

1918

Baini Prashad, M.Sc., Lahore.

1919

Ramji Narain Mehra, M.Sc., Lyallpur.

1920

*K. N. Bahl, M.Sc., Lahore.

1922

Sunder Lall Hora, M.Sc., Calcutta.

1923

B. N. Chopra, M.Sc., Calcutta.

1925

G. S. Cheema, M.Sc., Poona.

*Not been admitted to the Degree.

MASTER OF SCIENCE.

1927

Amar Nath Puri, G.C.,
Physics, I.
Dharm Singh, G.C., Physics, I.
Har Gobind Kalia, G.C.,
Physics, I.
Daulat Ram Khanna, G.C.,
Physics, II.
Jagat Singh, G.C., Physics, II.
*Darbara Singh, G.C., Physics,
III.
Mohammad Ali, G.C., Chemistry,
I.
Joti Sarup Aggarwal, F.C.C.,
Chemistry, II.
Hira Lal Anand, F.C.C.,
Chemistry, II.
N. R. Aggarwal, F.C.C.,
Chemistry, II.
Amar Nath Gupta, G.C.,
Chemistry, III.
Amba Prasad Kashyap, G.C.,
Chemistry, III.
Das Ram, F.C.C., Chemistry,
III.
Ram Lal Khajuria, G.C.,
Chemistry, III.

1927

Niranjan Nath Sarin, F.C.C.,
Chemistry, III.
Shiri Niwas Vaid, Lahore,
Chemistry, III.
H. B. Luke, Lahore, Chemistry,
III.
Ram Dass Kantror, Lahore,
Chemistry, III.
Shanti Sawroop Uppal,
P.W.C., Geology, III.
*Jagjiwan Singh Ahluwalia,
G.C., Botany (Hons. School),
II.
*Tasdiq Hussain, G.C.,
Zoology (Hons. School), I.
Dev Raj Mehta, G.C., Zoology
(Hons. School), II.
Chaman Lal Sawhney, G.C.,
Zoology (Hons. School),
II.
Jaswant Singh Soodh, G.C.,
Zoology (Hons. School), II.
S. Shujaat Ali Hasnie, G.C.,
Zoology (Hons. School), II.
Ahmad Ali Quعرashi, G.C.,
Botany (Hons. School), I.

BACHELOR OF SCIENCE (HONOURS SCHOOL).

1927

Bimal Das Jain, F.C.C.,
Chemistry, I.
Sardar Mohammad, G.C.,
Chemistry, II.
Purushottam Dass Seth, D.A.-
V.C., Chemistry, II.
Ram Narain Kapur, F.C.C.,
Chemistry, II.
Mohammad Ishaq, I.C.,
Chemistry, II.

1927

Chaman Lall Dhawan, D.A.-
V.C., Chemistry, II.
Sham Lal Luther, D.A.-V.C.,
Chemistry, II.
Prem Nath Sahai, F.C.C.,
Chemistry, III.
*Nand Lal Durbari, D.A.-
V.C., Chemistry, III.
*Siri Ram Bhatia, D.A.-V.C.,
Chemistry, III.

* Not been admitted to the Degree.

1927

Radha Krishen Zitshu, F.C.C.,
Chemistry, III.
Basant Rattan, G.C., Chemistry,
III.
Mohd. Azam, I.C., Chemistry,
III.
Ranbir Lal Chopra, F.C.C.,
Botany, II.
Brij Lal Sethi, G.C., Botany,
III.
*Basir Ali, G.C., Botany,
III.

1927

Nand Lal Puri, F.C.C., Botany,
III.
*Aziz Ahmad, G.C., Zoology,
I.
Najmud Din, G.C., Zoology,
II.
Piare Mohan Verma, G.C.,
Zoology, II.
Jia Lal Raina, D.A.-V.C.,
Zoology, III.
Hans Raj Bhalla, F.C.C., Zoo-
logy, III.

BACHELOR OF SCIENCE.

1927

Budh Singh Bindra, G.C., I.
Jiya Lal Dhar, P.W.C., II.
Udham Singh Man, K.C., II.
Shanti Sroup Kohli, F.C.C.,
II.
Abdul Hamid Khan, F.C.C.,
II.
Gyan Singh Pruthi, Lahore,
II.
Abdul Hamid, K.C., II.
Laxmi Sagar Bhandari, K.C.,
II.
*Parduman Singh, F.C.C., II.
Arjan Das, G.C., II.
*Amar Chand Sud, D.A.-V.C.,
II.
*Baldev Singh, F.C.C., II.
Pran Nath, K.C., II.
Sardool Singh Chakwalia,
K.C., II.
Chirman Lal Vijh, F.C.C., II.
Shalad Saroop, F.C.C., II.
T. N. Advani, Lahore, II.
Balindar Nath Sethi, F.C.C.,
II.
Abdul Qadir Sheikh, I.C., II.

1927

*Prem Nath Kaula, P.W.C., II.
Munshi Ram Salotra, D.A.-
V.C., II.
Harbans Lal Bali *alias*
Labhaya Ram Bali, P.W.C.,
II.
Shanti Lal Sahni, D.A.-V.C.,
II.
*Aziz Mirza, I.C., II.
S. Reaz Hussain, Lahore, II.
Vidya Nath Khanna, F.C.C.,
II.
Milkh Chand Chapra, D.A.-
V.C., II.
Amar Chand Bhatia, F.C.C.,
II.
Shadi Lal Aggarwala, D.A.-
V.C., II.
Sevinder Singh, K.C., II.
Prem Nath Taneja, F.C.C.,
II.
Bawa Surindar Singh Bedi,
F.C.C., II.
H. A. Bali, F.C.C., II.
*Braham Sarn Das Bharagava,
Lahore, II.

1927

Puran Chand Gupta, K.C., II.
 Nand Lal Bhalla, D.A.-V.C., II.
 Lachmi Narain Haksar, G.C., II.
 *Kotwal Mansa Ram, P.W.C., II.
 Jagjit Singh, K.C., II.
 Roshan Lal Chopra, F.C.C., II.
 Subodh Kumar Bose, P.W.C., II.
 Bakhshish Singh Saini, K.C., II.
 *Nand Lal Sharma, P.W.C., II.
 Madan Gopal Chowla, D.A.-V.C., II.
 Hem Raj Kayastha, G.C., II.
 Fateh Chand, K.C., II.
 Asa Singh, K.C., II.
 Shanti Prakash Ghai, D.A.-V.C., II.
 Kashmiri Lal Bhatia, F.C.C., II.
 Mohd. Amin, F.C.C., II.
 Gurdit Singh, K.C., II.
 Kundan Lal Bahl, P.W.C., II.
 Mohan Lal Churamani, F.C.C., II.
 *S. T. H. Jaffery, F.C.C., II.
 Piyare Lall Parbhakar, D.A.-V.C., II.
 Braham Datt Chopra, D.A.-V.C., II.
 *Chand Narain Saxena, F.C.C., II.
 Bhagat Singh "Mohindra" Bathanwalia, K.C., II.
 *Govardhan Lal Chopra, K.C., II.
 Kishan Singh Banochi, K.C., II.

1927

Lakshmi Narayan, Kaul, D.A.-V.C., II.
 Ram Chand Ded, D.A.-V.C., II.
 Notan Das Ailawadi, F.C.C., II.
 H. R. Mehta, I.C., II.
 Durga Das Jain, F.C.C., II.
 Habib Ahmad Khan, I.C., II.
 Vishnu Datta Trivedi, D.A.-V.C., II.
 Radha Krishan Singha, D.A.-V.C., II.
 Gopal Krishan Lamba, D.A.-V.C., II.
 Chain Singh, Rajput, K.C., II.
 Dharam Pal, Mehta, D.A.-V.C., II.
 Indar Sain, F.C.C., II.
 *Girdhari Lal Sapru, G.C., II.
 Bainsi Pershad, Jain, Ambala, II.
 Sewa Singh Hoshiarpuri, Amritsar, II.
 Kartar Singh Dhir, K.C., II.
 Jagat Singh, Jullundur, II.
 Pakumat Rai, Gurdaspur, II.
 Nanak Singh, K.C., II.
 Inder Sain, F.C.C., II.
 Wali Mohammad Khan, G.C., II.
 Indar Nath, Bhatia, F.C.C., II.
 Kishan Dyal, D.S.C., II.
 Kishen Prashad, D.S.C., II.
 Ram Krishan, K.C., II.
 Jai Kishan, F.C.C., II.
 Kundan Lall, Talwar, P.W.C., II.
 Gurdit Singh *Mediretta, Lahore, III.
 Hori Ram Sudan, Lahore, III.
 *Dalip Singh, Bedi, K.C., III.

1927

Kundan Lal, D.A.-V.C., III.
Malik Narsingh Das, F.C.C., III.

Hans Raj Mahajan, G.C., III.
*Rupindar Singh, G.C., III.

*List of persons who have passed
the Honours Examination in
B.Sc., 1927.*

Budh Singh Bindra, G.C.,
Physics.

Shanti Sroup Kohli, F.C.C.,
Physics.

Jiya Lal Dhar, P.W.C.,
Physics.

1927

Laxmi Sagar Bhandari, K.C.,
Botany.

Govardhan Lal Chopra, K.C.,
Botany.

Abdul Hamid, K.C., Botany.

Pran Nath, K.C., Botany.

Udham Singh Man, K.C.,
Botany.

Sardool Singh Chakwalia,
K.C., Botany.

Bhagat Singh "Mohindra"
Bathanwalia, K.C., Botany.

Kartar Singh Dhir, K.C.,
Botany.

Sevindar Singh, K.C., Botany.

* SUPPLEMENTARY BACHELOR OF SCIENCE.

1926

Shyam Lal Kachru, P.W.C.,
II.

*P. Thomas John, F.C.C., II.

Iqbal Singh, F.C.C., II.

Thakar Dass Kohli, Lahore,
II.

Sardari Lal Kochhar, F.C.C.,
II.

Sri Krishna Sahai, F.C.C., II.

*Harbhajan Singh, K.C., II.

Gurcharan Singh Datta,
Lahore, II.

1926

*Tirath Singh Pindi, K.C., II.
Baij Nath Mehindroo, Jullun-
dur, II.

Prem Nath Maniktala, F.C.C.,
II.

Mohan Singh, F.C.C., II.

*Hari Chand Bhatia, K.C.,
II.

Ram Chand Saigal, Lahore, II.

Lal Singh, Lahore, II.

*Raghubir Singh Ferozepuri,
K.C., III.

FACULTY OF AGRICULTURE.

BACHELOR OF SCIENCE IN AGRICULTURE.

1927

*Lall Chand Sikka, A.C., II.

*Syed Asghar Ali Shah, A.C.,
II.

1927

*Hukam Chand, A.C., II.

Jaswant Singh, A.C., III.
Dalip Singh, A.C., III.

* Not been admitted to the Degree.

1927

Banta Singh, Dhillon, A.C., III.
 *Gurbukhsh Singh, Sekhon, A.C., III.
 *Akbar Ali, A.C., III.
 *K. S. Thandi, A.C., III.
 Sham Singh Bhangoo, A.C., III.
 Hans Raj Sood, A.C., III.
 *Kartar Singh Dhillon, A.C., III.
 Jagat Singh II, Sekhon, A.C., III.
 *Bashesar Singh, A.C., III.
 Tara Singh Rawala, A.C., III.
 Sardar Mohammed I, Gill, A.C., III.
 Abdul Aziz, A.C., III.

1927

*Khalil-ur-Rahman, A.C., III.
 Ram Singh Randhawa, A.C., III.
 *Ujagar Singh Bajwa, A.C., III.
 Prabh Dyal, Lyallpur, III.
 Hari Singh Ghrit, A.C., III.
 Ghulam Shabbir, A.C., III.
 Shahani Gobind Nebhandas, A.C., III.
 *Inayat Ullah, A.C., III.
 Khushhal Singh, A.C., III.
 *Azizud Din Ahmed Bhatti, A.C., III.
 *Rama Krishan Sharma, A.C., III.
 Harnam Singh Rundhawa, A.C., III.
 Sardar Mohd. II, A.C., III.

BACHELOR OF SCIENCE IN AGRICULTURE.

1926

Dina Nath, Lyallpur, III.
 *Rattan Singh, Lyallpur, III.
 Bansil Lal, Lyallpur, III.

FACULTY OF ARTS.

BACHELOR OF TEACHING EXAMINATION.

1927

D. Raja Ram, C.T.C., I.
 Hari Singh, C.T.C., I.
 Shabbir Husain Bukhari, C.T.C., I.
 Nihal Singh, C.T.C., II.

1927

Ali Muhammad Yazdani, C.T.C., II.
 Bodh Raj Sharma, C.T.C., II.
 Sultan Ali, C.T.C., II.
 Jamna Das, C.T.C., II.

* Not been admitted to the Degree.

1927

Diwan Gurdial Singh Syal, C.T.C., II.
 Harbans Lal Chhibbar, C.T.C., II.
 S. N. B. Nisar, C.T.C., II.
 Marjorie Evelyn John, C.T.C., II.
 Parshotam Das, C.T.C., II.
 Inderjit Singh, C.T.C., II.
 Akhtar Ahsan, C.T.C., II.
 Jagdish Chandra Kanwatra, C.T.C., II.
 Ganpat Rai Sharma, C.T.C., II.
 Norah Bashir ud Din, C.T.C., II.
 Ram Chand Khorana, C.T.C., II.
 Ghafur Ullah Lodhi, C.T.C., II.
 Shiv Lal Verma, C.T.C., II.
 Balmokand Puri, C.T.C., II.
 Abdul Aziz Sair, C.T.C., II.
 Abdur Rashid, C.T.C., II.
 Ch. Hans Raj Jain, Attock, II.
 Teja Singh Maur, C.T.C., II.
 *Surendra Mohan, C.T.C., II.
 Talamand, C.T.C., II.
 Gopal Dass Dua, C.T.C., II.
 Sardar Nabi, C.T.C., II.
 Krishna Coomar Kaushika, C.T.C., II.
 Kishen Dyal, Lahore, II.
 Sant Ram Pundit, C.T.C., II.
 Gurdit Singh Bedi, C.T.C., II.
 *Har Dial Singh Chattha, Lahore, II.
 *Mohd. Sadiq Asghar, Muzaffargarh, II.
 Sohan Lal Khosla, Hissar, II.
 P. Tara Singh, C.T.C., II.
 *P. Takhat Singh, Ferozepur, II.

1927

Irshad Mohd. Qureshi, C.T.C., II.
 Wazir Kaur, C.T.C., II.
 Manohar Lal Chopra, Nabha, II.
 Nirode Krishna Banerjee, C.T.C., II.
 Badri Nath Chadda, C.T.C., III.
 Kundan Lal, C.T.C., III.
 Ch. Mohamed Khan, Gujrat, III.
 Bakhshish Singh, C.T.C., III.
 Sohan Lal Maker, C.T.C., III.
 Santokh Singh, Rawalpindi, III.
 Ahmadali, Karnal, III.
 Nahar Singh Dhinsa, Ludhiana, III.
 Hargovind Singh, C.T.C., III.
 Kanhya Lal Aggarwal, C.T.C., III.
 Allah Bakhsh, C.T.C., III.
 Nand Gopal, C.T.C., III.
 Jiwan Singh, Amritsar, III.
 *Abdul Khalid Khan, C.T.C., III.
 Nathu Ram Aggarwal, Hoshiarpur, III.
 Mohammad Shafi, C.T.C., III.
 *Piare Lal Mahta, Rawalpindi, III.
 Piare Lal Bali, Hoshiarpur, III.
 Mool Raj, Ferozepur, III.
 A. Faiz Ali, Lahore, III.
 Ram Das, Delhi, III.
 Ch. Aziz ud Din, Rohtak, III.
 Ali Ahmad Arshad, C.T.C., III.
 Mir Mohd. Jamil, C.T.C., III.
 *Charan Singh Sidhu, Amritsar, III.
 *Mohd. Akram, C.T.C., III.
 Ch. Umar Din, Lyallpur, III.
 *Amar Nath Ukkhal, C.T.C., III.

FACULTY OF LAW.

*List of persons upon whom Degrees have been conferred under
Section 14, Act XIX, 1882.*

BACHELOR OF LAW.

1927

Harnam Singh, L.C., I.
Jai Karan Kohli, L.C., I.
Tirath Dass Sehgal, L.C., I.
Sukh Dev Sud, L.C., I.
K. S. Gumbhirjee, L.C., I.
*Harbhagwan Johar, L.C., I.
Asa Ram Aggarwal, L.C., I.
Kanshi Ram Arora, L.C., I.
Bishen Singh, L.C., I.
Satgur Dial Uberoi, L.C., I.
*Tula Ram Sharma, L.C., I.
Fazl-i-Ilahi, L.C., I.
*Yoga Datta Puri, L.C., I.
Partap Singh Peshawari, L.C., I.
Vidya Sagar (Nayar), L.C., I.
Narain Dass Narula, L.C., I.
Basheer Husain Qureshi, L.C., I.
Brij Nandan Singh Ahluwalia, L.C., I.
Lajpat Rai Aggarwal, L.C., I.
Hem Raj Sud, L.C., I.
Kundan Lal Vohra, L.C., I.
Dina Nath Kapur, L.C., I.
Ram Singh Gheba, L.C., I.
*Gurcharan Singh, L.C., I.
Bishambar Dayal Jain, L.C., I.
Sagar Chand Kalra, L.C., I.
Parma Nand Khanna, L.C., I.
Thakar Dass Sarda, L.C., I.
Harbakhsh Singh, L.C., I.
Har Bhagwan Chinda, L.C., I.
*Man Singh Bakhshi, L.C., I.
*Piara Singh, L.C., I.

1927

*Bakhat Singh Shahpuri, L.C., I.
Kundan Lal Gupta, L.C., I.
Rup Chand Nanda, L.C., I.
Sohan Lal Sud, L.C., I.
Indar Ram, L.C., II.
Kewal Krishan, L.C., II.
*Ch. Kesar Das Guglani, L.C., II.
Wishan Das Puri, L.C., II.
Jagat Ram Gupta, L.C., II.
*Kundan Lal Varma, L.C., II.
*Ram Chandar Bhatia, L.C., II.
Tara Chand Jaini, L.C., II.
Ajit Singh, L.C., II.
Rai Rama Kant Lahiri, L.C., II.
*Ramsaran Dass Jain, L.C., II.
Sita Rama Joshi, L.C., II.
Krishen Chandra Sirpal, L.C., II.
Dhan Raj Malhotra, L.C., II.
*Gauri Shankar Aggarwal, L.C., II.
*Kundan Lal Jhamb, L.C., II.
Dalip Singh, Gujrat, II.
*Gursharan Singh Sidhu, L.C., II.
*Chaudhri Khan Zaman, L.C., II.
*Kidar Nath Aggarwal, L.C., II.
Hari Ram Malhotra, L.C., II.
*Piyare Lal Dhir, L.C., II.
Kesar Das Vinaik, L.C., II.

* Not been admitted to the Degree.

1927

Panna Lal Seth, L.C., II.
 Har Bhagat Singh Sidhu, L.C., II.
 *Ram Kishen Pathak, L.C., II.
 *Vidya Sagar Aggarwal, L.C., II.
 Mehr Singh, L.C., II.
 *Uttam Chand Jain, L.C., II.
 Chuni Lal Virmani, L.C., II.
 *Ram Singh Hira, L.C., II.
 Amar Nath Anand, L.C., II.
 *Harnam Singh Wasu, L.C., II.
 Iqbal Nath Duggal, L.C., II.
 *Khem Chand Gandiwal, L.C., II.
 *K. R. Gulati, L.C., II.
 Nathu Ram Gupta, L.C., II.
 Harnam Singh, Lyallpur, II.
 Chuni Lal Malhotra, L.C., II.
 Ram Narain Gandh, L.C., II.
 Jaswant Singh, L.C., II.
 Krishna Chandra, Grover, L.C., II.
 *Sattya Narain Gupta, L.C., II.
 *Ch. Chuni Lal Chahar, L.C., II.
 Sher Bahadur Khan, L.C., II.
 Mulk Raj Marwah, L.C., II.
 Prithvi Das Sharma, L.C., II.
 *Bhagat Ram Law, L.C., II.
 *Charan Das Malhan, L.C., II.
 *Kidar Nath Dhir, L.C., II.
 *Romesch Chandra Gupta, L.C., II.
 Chander Bhan Jain, L.C., II.
 *Sewa Ram Sapra, L.C., II.
 *Bhagat Ram Sharma, L.C., II.

1927

*Bhagwan Das Rihani, L.C., II.
 Bishamber Nath Malhotra, L.C., II.
 *Bakhshi Indar Chand, L.C., II.
 Balwant Singh, L.C., II.
 Chaman Lal Puri, L.C., II.
 Hari Sharan Chowla, L.C., II.
 *Karam Chand Mahajan, L.C., II.
 *Hardatta Rai Sugla, L.C., II.
 Jagan Nath Nagratha Ram Puri, L.C., II.
 *Ram Chandra Khanna, L.C., II.
 Manohar Lal, L.C., II.
 Sayyad Dilawar Hussain Tirmazi, L.C., II.
 Hari Ram Saini, L.C., II.
 *Narain Das Vig, L.C., II.
 *Kartar Singh Kohli, L.C., II.
 Lal Chand Bhasin, L.C., II.
 Mathra Das Takhtar, L.C., II.
 *Mohammad Din, L.C., II.
 Gandharb Singh, L.C., II.
 Ram Nath Malhotra, L.C., II.
 Trimboka Parsad Batus, L.C., II.
 *Gurbachan Singh Sody, L.C., II.
 Hira Singh, L.C., II.
 *Ismat Ullah Khan, L.C., II.
 *Wazir Chand Sikha, L.C., II.
 Ram Prasad Wanchoo, Mazaffargarh, II.
 Ram Nath Dhingra, L.C., II.
 Bansi Lal Sharma, L.C., II.
 Kanshi Ram Bansal, L.C., II.
 *Kishori Lal Laroia, L.C., II.
 Mohammad Rafiq, L.C., II.

* Not been admitted to the Degree.

1927

*Pishori Lal Chhiber, Lahore, II.
 Ali Mohd, L.C., II.
 Harkishan Lal Kalyia, L.C., II.
 Shahzada Alamgir, L.C., II.
 Hargopal Mullick, Muzaffargarh, II.
 Charanjit Lall Madan, L.C., II.
 *Muhammad Shaffi, L.C., II.
 *Lila Dhar Labsha, Muzaffargarh, II.
 Iqbal Chand Gahrotra, L.C., II.
 Kishori Lal Jain, L.C., II.
 Lachhman Das Beri, L.C., II.
 Dewa Singh, Lahore, II.
 *Khazan Chand Gupta, L.C., II.
 Manmohan Singh, L.C., II.
 *Chhuna Mal Aggarwal, L.C., II.
 Choudharie Kesho Dass Rajput, L.C., II.
 Kharaiti Ram, L.C., II.
 *Mohd. Abdullah Chima, L.C., II.
 Sufi Ahmad Bakhsh, L.C., II.
 *Kishan Pratap Singh Garewal, L.C., II.
 Anand Sarup Singh, L.C., II.
 *Ram Nath Dube, L.C., II.
 Shiv Shankar Singh, L.C., II.
 *Muhammad Malik Chaudhri, L.C., II.
 Malik Niranjana Dass Chhakra, L.C., II.
 Saran Singh Wadhwa, L.C., II.

1927

*Hari Ram Chopra, L.C., II.
 Katar Singh Sandhu, L.C., II.
 Ishwar Dass Bahl, L.C., II.
 Makhan Singh Gujral, L.C., II.
 Naseeruddin, L.C., II.
 Sardul Singh, L.C., II.
 *Jadonath Bahl, Lahore, II.
 Basant Lall Talwar, L.C., II.
 Govind Ram Gupta, L.C., II.
 *Kirpal Singh Gujral, L.C., II.
 Ram Nath Mahra, L.C., II.
 *Santokh Singh Daska, L.C., II.
 Tara Chand Gupta, L.C., II.
 *Mohd. Ziaul Islam Kureishi, L.C., II.
 *Peshauri Lal Vaid, L.C., II.
 Bakhshi Onkar Nath, Lahore, II.
 Manohar Lal Aggarwal, L.C., II.
 Hari Rama Anand, Hazara, II.
 *G. Lall Adya, L.C., II.
 Nirmal Chand Raswant, L.C., II.
 *Malik Ram Chand Batra, L.C., II.
 Yash Pal Gandhi, L.C., II.
 *Kartar Singh Ahluwalia, L.C., II.
 *Bansilal Sawhney, L.C., II.
 Shiv Nath Gupta, L.C., II.
 Thakur Das Rajput, L.C., II.
 *Mohd. Nasim, L.C., II.
 *Mulk Raj Mahajan, L.C., II.
 Narotam Singh, L.C., II.
 T. C. Diwan, L.C., II.
 Gopal Das Kapur, L.C., II.

* Not been admitted to the Degree.

SUPPLEMENTARY BACHELOR OF LAW.

1926

Sh. Abdul Rahman, Sialkot,
I.
Madan Lal Sethi, Lahore, I.
Daulat Ram Chopra, Lahore, I.
Azam Ali, Lahore, II.
*Ata Ullah Qureshi, Gujrat, II.
Rama Nand Singla, Gurgaon,
II.

1926

Mehta Puran Chand, Lahore,
II.
*Ram Nath Chopra, Lahore, II.
Baini Chand Katoch, Lahore,
II.
Bal Gobind Chopra, Lahore, II.
*Har Prasad Raizada, Lahore,
II.

*List of persons upon whom Diplomas have been conferred under
Section 14, Act XIX, 1882.*

LICENTIATES IN LAW.

Nil since 1908.

FACULTY OF MEDICINE.

*List of persons upon whom Degrees have been conferred under
Section 14, Act XIX, 1882.*

DOCTOR OF MEDICINE.

1913

N. B. Khare, B.A., M.B.—Ordinary.

1918

Jiwan Lal, M.B.B.S.—With distinction.

1920

Yar Mohd. Khan, M.B.B.S.—With distinction.
Het Ram Aggarwal, M.B.B.S.—Ordinary.

1921

Regbeer Singh, M.B.B.S.—With distinction.
Mohammad Yusuf, M.B.B.S.—Ordinary.

* Not been admitted to the Degree.

1923

Dwarka Nath Kumar, M.B.B.S.—Ordinary.

1925

Madan Lal Rikhye, M.B.B.S.—Ordinary.
 Jamiat Singh, M.B.B.S.—Ordinary.

MASTER OF SURGERY.

1915

Ganesh Das Kapur, M.B.B.S.—Ordinary.

1923

*Roshan Lal Khora, M.B.B.S.—Ordinary.

SPECIAL FINAL PROFESSIONAL EXAMINATIONS FOR M.B.B.S.

1918

Jiwan Lal.

1921

*Narbada Prasad, L.M.S.
 Treelok Chandar Nanda, L.M.S.
 S. C. Roy, L.M.S.

BACHELORS IN MEDICINE AND BACHELORS IN SURGERY.

April, 1927.

1927

Santokh Singh, K.E.M.C.
 Hari Chand Ghai, K.E.M.C.
 Mulk Raj, Bhasin, K.E.M.C.
 Dharmendra, K.E.M.C.

1927

Gurbaksh Singh, K.E.M.C.
 Mohd. Aslam, K.E.M.C.
 Clorinda Pereira, L.H.M.C.
 Sadhu Chand Vinyek, K.E.M.C.

* Not been admitted to the Degree.

1927

Basant Lal, Sharma, K.E.M.C.
 Ram Nath, Sud, K.E.M.C.
 Hari Chand Mehta, K.E.M.C.
 Gyan Chand, K.E.M.C.
 Mohd. Hamid Khan, K.E.M.C.
 S. R. Sethi, K.E.M.C.
 Kanwar Bhan Taneja,
 K.E.M.C.
 Bhawani Das, K.E.M.C.
 Ram Lal Tuli, K.E.M.C.
 Chetan Anand Sardana,
 K.E.M.C.
 Jugal Kishore Nayyar,
 K.E.M.C.
 Sukhdes Lal Rikhye, K.E.M.C.
 Gyan Chand Vakil, K.E.M.C.
 *Behari Lal Bazaz, K.E.M.C.
 Mohammad Jafar, K.E.M.C.
 *Bishwar Dass Widge,
 K.E.M.C.
 Sukh Dial Sharma, K.E.M.C.
 Anant Ram Ohri, K.E.M.C.
 Mohd. Husain, K.E.M.C.
 Bhagirathi Rishi, L.H.M.C.

1927

Uttam Chand Khanna,
 K.E.M.C.
 Abdur Rahim Khan Ashiq,
 K.E.M.C.
 Sohan Singh, K.E.M.C.
 *Kartar Singh Jali, K.E.M.C.
 Sardari Lal Bhandari,
 K.E.M.C.
 Gopal Singh, K.E.M.C.
 Abdul Majid Faruqi, K.E.M.C.
 Dharm Sheel Chowdhary,
 K.E.M.C.
 Yash Bal Bedi, K.E.M.C.
 S. Mohd. Sharif Taboy,
 K.E.M.C.
 Bahadur Singh Nagra,
 K.E.M.C.
 Zafar Yab Husain Mirza,
 K.E.M.C.
 Shambhu Ram Gupta,
 K.E.M.C.
 Manual A. R. Khan, K.E.M.C.
 Shamsheer B. Singh, K.E.M.C.
 P. P. Narayan Dass, L.H.M.C.

October, 1927.

1927

Gurdit Singh Bindra, K.E.M.C.
 Lachhmi Narain Suri,
 K.E.M.C.
 Mohan Lal Gulati, K.E.M.C.
 Gurbakhsh Singh Chopra,
 K.E.M.C.
 Parkash Chandar Gupta,
 K.E.M.C.
 Lila Rawat, L.H.M.C.
 Amanullah, K.E.M.C.
 Baldev Singh, K.E.M.C.
 *Surat Singh Grewal, K.E.M.C.
 Sukh Dyal Chandna, K.E.M.C.
 Udham Singh Dil, K.E.M.C.
 Lall Chand Uppal, K.E.M.C.
 Mohan Lal Kapur, K.E.M.C.

1927

Ram Chand Khanna, K.E.M.C.
 Charan Singh, K.E.M.C.
 Anoop Chand, K.E.M.C.
 Dalel Singh Jaj, K.E.M.C.
 Sri Krishen, K.E.M.C.
 Nur Mohd. Khan Niazi,
 K.E.M.C.
 Sundar Singh Ahluwalia,
 K.E.M.C.
 Chuni Lal Puri, K.E.M.C.
 Prabhu Deo Gorowara,
 K.E.M.C.
 Harish Chandra Gupta,
 K.E.M.C.
 Anwar-ul-Haque Sheikh,
 K.E.M.C.

1927

Pooran Singh, K.E.M.C.
 Ram Nath Chopra, K.E.M.C.
 Ram Karan Aggarwal,
 K.E.M.C.
 Kartar Singh Kalra,
 K.E.M.C.
 S. Masud Ali, K.E.M.C.
 Ranjit Singh Garewal,
 K.E.M.C.
 Mohd. Fazil Batt, K.E.M.C.
 Gulshan Lal Chadha, K.E.M.C.
 Hira Singh, K.E.M.C.
 Devi V. Lakhmalani,
 L.H.M.C.
 Abdul Hakeem Khan,
 K.E.M.C.
 *S. Kirloskar, L.H.M.C.

1927

Harish Chandra, K.E.M.C.
 Brij Lal Aggarwal, K.E.M.C.
 Dharampal Mehta, K.E.M.C.
 Sundar Das Ahuja, K.E.M.C.
 Sharif Hasan, K.E.M.C.
 Mohan Lal Bhalla, K.E.M.C.
 Nand Lal Chitarchot,
 K.E.M.C.
 Gopal Das, K.E.M.C.
 Aishi Lal Khorana, K.E.M.C.
 Manohar Singh Chadha,
 K.E.M.C.
 Pran Nath Chachra, K.E.M.C.
 Kishen Singh Kadirabadi,
 K.E.M.C.
 Hazari Lall, K.E.M.C.
 Lahori Ram Sharma, K.E.M.C.

*List of persons upon whom Diplomas have been conferred under
 Section 14, Act XIX, 1882.*

LICENTIATE IN MEDICINE.

† Nil since 1918.

FACULTY OF ORIENTAL LEARNING.

*List of persons upon whom Diplomas have been conferred under
 Section 14, Act XIX, 1882.*

HONOURS IN SANSKRIT (Shastri), 1927.

1927

Thakur Datt Sharma, O.C., II.
 Raghuwar Datt Sharma, O.C.,
 II.
 Youwan Prasad *alias* Jamna
 Prasad, O.C., II.

1927

Jwala Prasad Sharma Bhard-
 waj, Hoshiarpur, II.
 Rameshwar Sharma, Lahore,
 II.
 Bhim Sain, Amritsar, II.

* Not been admitted to the Degree.

† For Diplomas conferred up to 1917, please refer to Panjab
 University Calendar, Part II (1921-22).

1927

Hari Gobind Sharma, O.C., II.
 Chandar Datt Sharma Gaur, Lahore, II.
 Har Kishan, Multan, II.
 Ganesh Mani Sharma, O.C., II.
 Baldev, Lahore, II.
 Prabhu Datt Sharma, Amritsar, II.
 Dharmendar Nath, Amritsar, III.
 Shiv Datt Sharma, O.C., III.
 Bharat Sharma (Singha), O.C., III.
 Brihad Bal Sanyami, Amritsar, III.
 Hira Lal Sharma Gaur, Amritsar, III.
 Mulji Manuj, Multan, III.
 Vishnu Datt Sharma, Lahore, III.
 Nand Lal Sharma, Lahore, III.
 Ram Sharan Sharma, O.C., III.
 Dharam Dev Varina, Multan, III.
 Ram Krishan Jampuri, Multan, III.
 Sundar Lal Sharma Dixit, Amritsar, III.
 Nand Lal Sharma, Kapurthala, III.
 Amar Nath Sharma, Deshbandhu, Hoshiarpur, III.
 Jagdish Varma, Multan, III.
 Shambu Nath Sharma, Lahore, III.
 Krishan Dev Sharma, Amritsar, III.
 Mahi Dhar Sharma, Lahore, III.
 Prabhu Datt Sharma, Hissar, III.
 Ram Narain Mishar, Patiala, III.

1927

Hari Krishan Dwivedi, Lahore, III.
 Chandr Nath Wajpai, Hissar, III.
 Ramji Das Sharma, Amritsar, III.
 Vam Dev Sharma, O.C., III.
 Makhan Singh Sharma, Lahore, III.
 Narayan Paturkar, Lahore, III.
 Shri Gopal Sharma, Amritsar, III.
 Shive Dyalu Sharma, Multan, III.
 Keshav Parpanu Sharma, Jammu, III.
 Bir Bhim Sen Sharma, Multan, III.
 Raja Ram Sharma, Lahore, III.
 Govind Ram Sharma, Jhang, III.
 Bhagat Ramo Gargya, Lahore, III.
 Narain Datt Sharma, Amritsar, III.
 Purushotam Sadhu, Lahore, III.
 Trikha Datt Sharma Gaur, Amritsar, III.
 Nitya Nand Sharma, O.C., III.
 Harrish Chandar Sharma, O.C., III.
 Amar Nath Sharma, Ludhiana, III.
 Amar Nath Shukal, Hissar, III.
 Ram Chandar Sharma, Kapurthala, III.
 Shri Nath Datt Sharma, Lahore, III.
 Shri Chhedi Jha, Lahore, III.
 Pitambar Sharma, Kashmir, III.

1927	1927
Bal Raj Jaikrishni, Lahore, III.	Desh Raj Sharma, Kapurthala, III.
Shiv Chand Sharma, Hissar, III.	Tulsi Datt Sharma, Amritsar, III.

HONOURS IN ARABIC (Maulvi Fazil), 1927.

1927	1927
Mohammad Rizwan Ullah, O.C., II.	Rafiq Mohammad, Multan, III.
Abdul Khaliq, Lahore, II.	Ajibud Din, Lahore, III.
Mohammad Nasir-ud-Din, O.C., II.	Nazir Ahmad, Montgomery, III.
Pir Mohd. Hasan, Amritsar, II.	Hamid Ullah "Shola", Lahore, III.
Muhammad Hamid, Peshawar, II.	Abdul Aziz Siddiqi, Lahore, III.
Muhammad Ahmad, O.C., II.	Abdul Haq, Lahore, III.
Chiragh-ud-Din Khan, Gurdaspur, II.	Abdul Majid, Lahore, III.
Mohammad Umar-ud-Din, G.C., III.	Diayat Ullah, Hoshiarpur, III.
Khadim Ahmad Qureshi, Rohtak, III.	Abdul Haq, Amritsar, III.
Mohammad Abdul Karim, Lahore, III.	Abdul Latif, Amritsar, III.
Ghulam Qadir, O.C., III.	Sayed Riyaz-ul-Haq Abbasi, Gujranwala, III.
Gul Ahmad Rafiq, O.C., III.	Aziz-ur-Rahman, Hazara, III.
Abdul Karim "Khayal", Gurdaspur, III.	Ahmad Yar Ar Race, Gurdaspur, III.
Mohammad Qasim, O.C., III.	Saleem Ullah Saleem, Gurdaspur, III.
Nazir-ul-Islam, Gurdaspur, III.	Khawja Abul Mansoor Mohammad Ayub Hasan Ansari, Lahore, III.
Mohammad Ishaq, O.C., III.	Sayed Badr Mohy-ud Din Qadiri, Gurdaspur, III.
Fateh Mohammad, Muzaffargarh, III.	Mohammad Ihtisham-ul-Hasan, Lahore, III.
Said Ahmad, Lahore, III.	Hafiz Mohammad Husain, Ambala, III.
Abdur Rahman Botalvi, Gurdaspur, III.	Iqbal Husain, Karnal, III.
Abdul Aziz Gujrati, Lahore, III.	Mufti Mohammad Rashid-ud-Din, Kashmir, III.
Mohammad Hashmat Ali Khan, Lahore, III.	Malik Abdul Aziz, Gurdaspur, III.
Mohammad Usuf, Lahore, III.	Mohammad Shakir Haqqani, Bahawalpur, III.

HONOURS IN PERSIAN (Munshi Fazil), 1927.

1927	1927
Sayed Muhammad Mohsin	Aqa Bedar Bakht, Lahore, III.
Ali Tirmazi, Ambala, I.	Sayed Ghous Mohammad
Ghulam Sarwar Khan	Khan, Lahore, III.
"Sarwar", Dera Ghazi	Bashir-ud-Din Ahmad,
Khan, II.	Lahore, III.
Satwat Ara Begum, Jullundur, II.	Abuz Zanoob Hafiz Ghulam
Mohammad Ahmad Ullah,	Hasan, Gujrat, III.
O.C., II.	Syed Abdur Rahman, O.C.,
Mohammad Daud Siddiqi,	III.
Lahore, II.	Mumtaz Ahmad Mujaddidi,
Abdul Ghani, Sialkot, II.	Lahore, III.
Ismat Ullah "Anwar",	Ghulam Husain, O.C., III.
Jullundur, II.	Choudhri Bashir Ahmad
Mohammad Munim, Lahore,	Ahmad, Gujranwala, III.
II.	Nur ul-Islam, Hazara, III.
Ghulam Nabi, Lahore, II.	Dayal Chand, Muzaffargarh,
Sayed Nabeel Hasan "Sajid",	III.
Hissar, II.	Nathu Ram Aggarwal,
Siraj Ahmad Khan, Lahore,	Ambala, III.
II.	Mohammad Abdullah,
Inayat Ullah Khan, O.C.,	Lahore, III.
III.	Ghulam Husain, Lahore, III.
Mohammad, Jullundur, III.	Mohammad Hanif Shah,
Lok Nath, Bannu, III.	Jhelum, III.
Din Mohammad, Ludhiana,	Fateh-ud-Din, Lyallpur, III.
III.	Banwari Lal, Ambala, III.
Abdur Rasul, Bahawalpur,	Mohammad Mustafa, Karnal,
III.	III.
Mohammad Alam, Amritsar,	Khushi Mohd., O.C., III.
III.	Hakeem Mohammad Hayat,
Sh. Mohammad Husain	Ferozepore, III.
Faruqi, Amritsar, III.	Muhammad Abdullah, Amritsar,
Sayed Manzoor-ul-Husain	III.
Mashhadi, Lahore, III.	Udho Ram, Lahore, III.
Hafiz Mohammad Hafeez	Mirza Abid Ali, Amritsar,
Qureshi, O.C., III.	III.
Zafar Ahmad Taban, Lahore,	Muhammad Ishaq, Lyallpur,
III.	III.
Abdul Qayyum Khan,	Shah Mohammad, Lahore, III.
Lahore, III.	Sayed Mohammad Khalil,
Mohammad Taseen Zaheen	Lahore, III.
Faruqi, Gurgaon, III.	Abdul Haleem, Patiala, III.
Pirzada Sharif Ahmad	Muhammad Saif-ur-Rahman,
Usmani, O.C., III.	Lahore, III.
	Rahmat Khan, Gujrat, III.

1927

Sayad Aziz-ul-Hasan Aziz, O.C., III.
 Ahmad Yar Dogra, Kashmir, III.
 Ghulam Mohammad, Shahpur, III.
 Ghulam Sarwar Khan, Shahpur, III.
 Bakhshi Dina Nath, O.C., III.
 Ghulam Yasin, Lyallpur, III.
 Sayed Shujaat Ali, Lahore, III.
 Sheikh Manzoor Ahsan, Lyallpur, III.
 Qazi Abdur Rahman, Amritsar, III.
 Khawaja Ghulam Nabi Mahjoor, Lahore, III.
 Mohammad Ibrahim, Hoshiarpur, III.
 Lal Din, Amritsar, III.
 Hakim Allah Ditta, Ferozepore, III.
 Zahur Ahmad Mujaddidi, Lahore, III.
 Ram Sharan Sharma, Lahore, III.
 Muhammad Ibrahim "Nasahat", Lahore, III.
 Mirza Ijad Ali, Lahore, III.
 Ata-ur Rahman Ansari, Gujranwala, III.
 Anis Fatimah Khanam, Gurgaon, III.
 Choudhri Sindhi Khan, Jullundur, III.
 Allah Dad, Ferozepore, III.
 Fazl Karim, O.C., III.
 Taskhere Ahmad, Lahore, III.
 Mohammad Alam Khan, Amritsar, III.
 Sayed Badrul Islam Rizwi, Hissar, III.
 Hayat Mohammad Awan "Saghir", Attock, III.
 Ghulam Nabi, Gujranwala, III.

1927

Mohammad Shafi, Lyallpur, III.
 Shah Nawaz Hashmi, O.C., III.
 Mohd. Shamsul Islam Shams Qureshi Taban, Lahore, III.
 Faqir Sayed Sajjad Husam, Lahore, III.
 Fateh Mohammad Khan, Hoshiarpur, III.
 Sayed Rashid Ahmad, Malerkotla, III.
 Nur-ud-Din, Ferozepore, III.
 Mirza Mohammad Naqi, Lahore, III.
 (Talib-ul-Ghufran) Habib-ur-Rahman, Faridkot, III.
 Barkat Ali, Lahore, III.
 Sher Ali, Gujrat, III.
 Ghulam Mohammad Gujrati, Lahore, III.
 Ghulam Asadullah, Multan, III.
 Qazi Imam-ud-Din, Patiala, III.
 Gurbakhsh Singh, Ferozepore, III.
 Mirza Khurshed Alam, O.C., III.
 Abdul Aziz, Lahore, III.
 Abul Abbas Rizwi, Hissar, III.
 Sayed Iwaz Ali "Darman", Lahore, III.
 Fazl Ahmad, Shahpur, III.
 Miran Bakhsh, Jullundur, III.
 Qazi Ata Ullah Qureshi, Sialkot, III.
 Fazl Ilahi, Gujrat, III.
 Ali Mohammad, Ludhiana, III.
 Mohammad Anwar-ul-Haq, Lahore, III.
 Abdul Wafa Abdul Majid Khan "Afzal", Lahore, III.
 Hafiz Mohammad Ahmad Siddiqi, Lahore, III.

1927

Mohammad Riyaz Bari,
Lahore, III.
Sayed Jafar Husain *alias*
Mahmud Shah, Rawalpindi,
III.

1927

Khurshed Beg, Faridkot, III.
Mohammad Fazil, Gujrat, III
Abdul Fateh Mohammad
Afzal, Dera Ghazi Khan,
III,

1928.

FACULTY OF ORIENTAL LEARNING.

MASTER OF ORIENTAL LEARNING.

(Under Regulation 12, Calender page 157).

Sharif Ali, M.A., Ludhiana.	*Allah Bakhsh, M.A., Jhelum.
Sayad Faizul.	Durga Datt, Mannan,
Hasan Hamdani, M.A., Gur-	Amritsar.
daspur. [Lahore.	Surya Kanta, M.A., O.C.
M. S. K. Mallick, M.A.,	Jagdish Lal, M.A., O.C.

BACHELOR OF ORIENTAL LEARNING.

† Nil since 1910.

FACULTY OF ARTS.

DOCTOR OF LITERATURE.

1919

Mohd. Sadr-ud-Din, M.A., Lahore.‡

1926

B. R. Chatterji, Calcutta.

1928

Hirananda Shastri, Ootacamund.

* Not been admitted to the Degree.

† For degrees conferred up to 1910, please refer to Panjab University Calendar (1921-22), Part II.

‡ Where simply the name of a district is given the candidate was a Private Student of that district.

MASTER OF ARTS.

1928

Balwant Rai Beri, Ludhiana, English, III.
 Dev Raj Sud, G.C., English, III.
 Gopal Das Kapur, G.C., English, III.
 Piare Lal Bhuchar, F.C.C., English, III.
 Balwant Singh Bhandari, G.C., English, III.
 *Sochet Singh Aujla, G.C., English, III.
 Vidya Dhar Mahajan, G.C., English, III.
 Ram Labhaya, G.C., English, III.
 Sarwanand Thussu, G.C., English, III.
 Kesari Lal Bordia, G.C., English, III.
 Darya Datta Chowla, G.C., English, III.
 Maharaj Swarup Bhatnagar, F.C.C., English, III.
 Brijnandan Lal Bhatnagar, Lahore, English, III.
 Kundan Lal Agarwal, G.C., English, III.
 Surya Kanta, O.C., Sanskrit, I.
 Jagdish Lal, O.C., Sanskrit, I.
 Gyan Prakash, D.A.-V.C., Sanskrit, II.
 Hari Chand Batra, D.A.-V.C., Sanskrit, II.
 Ram Chandra Shastri, D.A.-V.C., Sanskrit, II.
 Chhajju Ram Gupta, G.C., Sanskrit, III.
 Durga Datt Mannan, S.D.C., Sanskrit, III.
 Kailash Nath Bhatnagar, S.D.C., Sanskrit, III.

1928

Baladeva Prasada Nautiyal, D.A.-V.C., Sanskrit, III.
 Chaman Lal, S.D.C., Sanskrit, III.
 *Shanbu Nath Kachru, S.P.C., Sanskrit, III.
 Obaidullah, Karnal, Persian, III.
 Sayad Faizul Hasan Hamdani, I.C., Persian, III.
 Sharif Ali, O.C., Persian, III.
 Syed Muhammad Ali Shah, I.C., Persian, III.
 Sher Singh Gyani, G.C., Persian, III.
 Jai Krishan Malhotra, G.C., Mathematics, I.
 Sarv Daman Singh Chowla, G.C., Mathematics, I.
 Budh Ram, G.C., Mathematics, II.
 Shiv Narayan Sahgal, G.C., Mathematics, II.
 Ganga Dhar Bhatia, D.S.C., Mathematics, III.
 Hans Raj Mittal, G.C., Mathematics, III.
 Ram Behari Lal Mathur, F.C.C., Mathematics, III.
 *Balram Bhandari, G.C., Mathematics, III.
 Nand Kishore Aggarwal, F.C.C., Mathematics, III.
 S. M. Burke, G.C., History, I.
 Jagmohannath Wanchu, F.C.C., History, II.
 Partap Singh, G.C., History, II.
 Jagat Singh, G.C., History, II.
 Daya Krishan Kapur, G.C., History, II.

* Not been admitted to the Degree.

1928

- Prithvipal Tara, F.C.C., History, II.
 Kishori Lal Sadana, G.C., History, II.
 Man Mohan Swarupa Bhatnagar, F.C.C., History, III.
 *Shive Narayan Fotedar, F.C.C., History, III.
 *Phagunmal Khiraram Mathrani, G.C., History, III.
 Sardar Mohd. Ismail Khan, G.C., History, III.
 Mohd. Nasim Husain, G.C., History, III.
 *Mustansir Billah Uppal, G.C., History, III.
 Sohan Lal Soni, G.C., Economics, II.
 *R. Kumar Luthera *alias* Ram Rakha, G.C., Economics, II.
 Mohammad Hassan, G.C., Economics, II.
 Lajpat Rai Dawar, G.C., Economics, II.
 Amolak Ram Khosla, F.C.C., Economics, II.
 Prithvi Raj Bhalla, G.C., Economics, III.

1928

- Mohindar Singh Pall, G.C., Economics, III.
 M. Ghulam Rasul, I.C., Economics, III.
 B. Tarlochan Dass Bedi, G.C., Economics, III.
 Ezad Bakhsh Shiekh, G.C., Economics, III.
 Dinanath Kak, G.C., Psychology, I.
 Devaki Nandana Sarma, F.C.C., Psychology, III.
 Riaz-ud-Din Ahmad, G.C., Psychology, III.
 Malik Habib Ullah, Rohtak, Philosophy, III.
 *Surindar Parcash Mahrota *alias* Tribhawan Lal, G.C., Philosophy, III.
 *Bishan Sarup Bhatnagar, G.C., Philosophy, III.
 *Dilawar Husain, G.C., Philosophy, III.
 Desh Raj, Jhelum, Philosophy, III.
 Mrs. D. Mitra, D.I. Khan, Philosophy, III.
 Gian Chandra Talib, G.C., Philosophy, III.

COMBINED HONOURS SCHOOL ARTS.

1928

- Harkishenlal Prasher, D.A.-V.C., I.
 Ram Lal Bhatia Soni, D.A.-V.C., II.
 Sardar Mohd. Akhtar, I.C., II.
 Satya Pal Prabhakar, F.C.C., II.

1928

- Fayyaz Mahmud, I.C., II.
 Sohan Lal Khosla, D.S.C., III.
 Banwari Lal Kapur, F.C.C., III.
 Sukh Dev Munjal, D.A.-V.C., III.
 Dev Raj Chaudhri, S.D.C., III.

* Not been admitted to the Degree.

BACHELOR OF ARTS (HONOURS SCHOOL).

1928

Ch. Ghulam Haidar, G.C.,
Mathematics, I.

1928

Kanaya Lal, D.A.-V.C., Mathe-
matics, II.

BACHELOR OF ARTS.

1928

Niranjan Nath Wanchoo,
(Honours in Physics), G.C.,
I.

Lal Singh, (Honours in Eng-
lish), G.C., I.

Jagjit Singh, K.C., I.

Tarlok Singh Bhatia, (Honours
in English), G.C., I.

Babu Lal, (Honours in Eng-
lish), F.C.C., I.

*Janki Nath Madan, S.P.C., I.

Abdul Aziz, (Honours in Eng-
lish), G.C., I.

K. N. Dutt, (Honours in Phy-
sics), G.C., I.

Sapuran Singh, (Honours in
English), G.C., I.

Gian Chandra Khanna, G.C., I.

Ram Lal Sagar, (Honours in
English), D.S.C., I.

Balwant Rai Aggarwal, (Hon-
ours in English), G.C., I.

Kishan Chand Mathur, (Hon-
ours in Physics), G.C., I.

*Shyam Lal Pandit, (Honours
in English), S.P.C., I.

Govind Chand, (Honours in
English), G.C., I.

Chuni Lal Agarwala, D.S.C., I.

Nasir Ahmad, (Honours in
English), G.C., I.

Ramji Dass Jhangli, D.A.-
V.C., I.

Mohan Lal Jain, K.C., I.

1928

Kundan Lal Handa, (Honours
in English), G.C., I.

Hazari Lal Marwaha, (Honours
in English), D.A.-V.C., I.

*Shambo Nath Koul, S.P.C.,
I.

Faqir Chand Kapur, (Honours
in Physics), G.C., I.

Iqbal Narain Mehta, F.C.C., I.

Rattan Lal, D.S.C., I.

C. Samuels Lal, (Honours in
English), F.C.C., I.

Sawaran Singh, (Honours in
Physics), G.C., I.

Ram Parshad, (Honours in
English), D.S.C., I.

Bijai Singh, (Honours in Eng-
lish), K.C., I.

*Mohd. Yusaf Khan Noh-
werwi, I.C.P., I.

Rajindar Singh Randhawa,
(Honours in English), G.C.,
I.

Beant Singh, (Honours in
Economics), E.C., I.

Manohar Lal, (Honours in
English), D.A.-V.C., I.

Jai Singh Randhawa, K.C., I.

Ghulam Ahmad, S.P.C., I.

Prithvi Nath Chakoo, S.P.C.,
I.

Teja Singh Baweja, (Honours
in English), D.S.C., I.

Ajit Singh Singhota, F.C.C., I.

* Not been admitted to the Degree.

1928

Ram Lal Kumar, F.C.C., II.
 Madan Gopal Kashyap, (Honours in English), G.C., II.
 Tara Chand Jhingan, (Honours in Physics), G.C., II.
 Harkishen Das Bedi, (Honours in English), S.D.C., II.
 *Tej Bhan Sethi, (Honours in Economics), G.M.C., II.
 Teja Singh Amritsari, K.C., II.
 *Lachhman Dass, F.C.C., II.
 Sundar Dass Bhalla, (Honours in History), E.C., II.
 Dial Singh, (Honours in English), K.C., II.
 Vidya Ratna Sharma, G.C., II.
 Karam Ilahi, (Honours in English), G.C., II.
 Omkar Nath, G.C., II.
 Nand Lall Kamra, D.A.-V.C., II.
 Iqbal Singh Tandon, F.C.C., II.
 Madan Mohan Singh, (Honours in Physics), F.C.C., II.
 *Jaswant Singh Bhalla, (Honours in English), D.S.C., II.
 Prem Nath Gadi, G.C., II.
 Muhammad Haider, (Honours in English), G.C., II.
 Kundan Lall Kapur, (Honours in Philosophy), E.C., II.
 *Jagan Nath Peer, S.P.C., II.
 Tirath Ram, D.A.-V.C., II.
 *Prithvi Nath Vasudev, (Honours in English), G.C., II.
 Ch. Abdul Rashid Khan Bhatti, (Honours in Persian), G.C., II.
 Ram Lal Mehta, (Honours in English), G.C., II.
 Abdul Aziz Fazili, Kashmir, II.
 *Balwant Rai Sharma, S.D.C., II.

1928

Gurcharan Singh Gujral Mahi, G.M.C., II.
 Syed Mohd. Mukhtar Ali Jaffri, (Honours in English), M.C., II.
 Prem Chand Malhotra, (Honours in English), F.C.C., II.
 Swarup Nath, (Honours in Persian), G.C., II.
 *Bakhshish Singh Lyallpuri, K.C., II.
 Ram Lal Kalara, (Honours in English), D.S.C., II.
 Baldev Raj Khanna, (Honours in History), G.C., II.
 Syed Yusuf Ali, (Honours in History), Peshawar, II.
 Rashid Ahmad, K.C., II.
 Ram Sarup Gupta, F.C.C., II.
 *Krishna Singh, (Honours in History), G.C., II.
 M. I. Hussaini, I.C., II.
 Ghulam Sarwar Khan Bhatti, G.C., II.
 Kansh Ram Kohli, G.M.C., II.
 Muhammed Shafi, G.M.C., II.
 *Sohan Lal Chopra, D.S.C., II.
 Mohd. Ikram, (Honours in Persian), G.C., II.
 Mumtaz Mirza, (Honours in Economics), I.C., II.
 Faqir Chand Arora, (Honours in History), F.C.C., II.
 Kuljas Rai Jasrai, (Honours in English), S.D.C., II.
 Harbans Lall Sharma, F.C.C., II.
 Dev Raj Aggarwal, (Honours in English), S.D.C., II.
 *Sohan Singh Anand, G.M.C., II.
 Parkash Deva, D.S.C., II.
 Chiranjiva, Lahore, II.
 K. Nishan Singh Jaswal, D.A.-V.C., II.

* Not been admitted to the Degree.

1928

Thakur Jagat Singh, (Honours in Philosophy), D.A.-V.C., II.
 Karam Chand Sansi, D.S.C., II.
 Mohammad Siddiq, G.C., II.
 Fateh Muhammad, (Honours in English), G.C., II.
 Abdul Bashir Azari Ginai, (Honours in Persian), I.C., II.
 Jagat Singh, (Honours in History), Peshawar, II.
 *Sucheta Mozoomdar, L.W.C., II.
 Fateh Chand Sethi, F.C.C., II.
 *Som Prakash Puri, (Honours in English), G.C., II.
 *Karamatullah Khan Babar, I.C.P., II.
 *Mubarik Shah Naqishbandi, S.P.C., II.
 Diwan Chand Madan, D.S.C., II.
 Raghunath Lal, (Honours in English), F.C.C., II.
 Raghbir Singh *alias* Sudha Singh Nangpal, K.C., II.
 Malik Taj-ud-Din, (Honours in Economics), I.C., II.
 Balwant Singh Ahluwalia, (Honours in English), M.C., II.
 Feroze Din Bhatti, G.C., II.
 *Tila Muhammad, E.C., II.
 Kapur Chand Puri, (Honours in History), S.D.C., II.
 Hubert Eric Rawling Smith, Rawalpindi, II.
 Raghunath Sahai Gupta, D.A.-V.C., II.
 Som Parkash, F.C.C., II.
 Mufti Abdul Majid Khan, G.C., II.
 E. M. Ponsonby, G.M.C., II.

1928

Mohd. Aslam Khattak, I.C.P., II.
 Amir Chand Chowdhry, Multan, II.
 Kanwar Sita Ram, D.A.-V.C., II.
 *Gian Das Jain, G.C., II.
 Vidya Nand Dixit, (Honours in Physics), F.C.C., II.
 Siri Ram Mehta, D.A.-V.C., II.
 *Atma Ram Bhardwaj, D.A.-V.C., II.
 Nand Lal Kapur, G.C., II.
 *Suraj Lal Dass, (Honours in English), G.C., II.
 *M. Fazle Hamid, I.C., II.
 Brij Mohan Lal Maria Jullundhuri, Jullundur, II.
 Chandi Ram Malhotra, K.C., II.
 *Nirmal Singh Parma, G.C., II.
 S. N. S. Vidyarthi, (Honours in English), G.C., II.
 Lal Chand Aggarwal, (Honours in Economics), S.D.C., II.
 Krishan Gopal Sawhny, G.M.C., II.
 *Jagat Singh Sahata, M.C., II.
 Ram Partap Khullar, Lahore, II.
 Kartar Singh, K.C., II.
 *Chuni Lal Kapila, (Honours in History), D.A.-V.C., II.
 Ganda Singh Bedi, (Honours in Economics), G.C., II.
 Sarup Narain Sahgal, G.M.C., II.
 Gajjan Singh, Lahore, II.
 Ram Parshad Sulhan, D.S.C., II.
 *Yusuf Khan, D.S.C., II.
 Chanan Singh Samra, (Honours in Economics), G.C., II.
 *N. Sikander Khan, I.C., II.

* Not been admitted to the Degree.

1928

Lajpat Rai Malhotra, (Honours in English), P.W.C., II.
 Sultan Mahmood Gaznavi, K.C., II.
 Harvansh Lal Joshee, D.A.-V.C., II.
 Gurbachan Singh Mauley, D.S.C., II.
 Gurbakhsh Singh, D.S.C., II.
 Amolak Ram Chowdhry, (Honours in Physics), F.C.C., II.
 Gurcharan Das Chawla, F.C.C., II.
 Sayad Fida Hassan, (Honours in History), G.C., II.
 Iqbal Singh, G.C., II.
 *Beryl Philips, L.W.C., II.
 Dharam Vir Banga, D.A.-V.C., II.
 Shanti Sarup Abhee, F.C.C., II.
 Khadim Hussain Razwi, (Honours in History), G.C., II.
 Mohd. Ali Akbar Khan, G.C., II.
 Syed Zia-ud-din Ahmed, I.C., II.
 Zia-ud-Din, E.C., II.
 Malik Wazir Chand, Batra, D.S.C., II.
 Tara Singh, (Gujrati), Amritsar, II.
 *Dev Parkash Sud, (Honours in English), D.A.-V.C., II.
 Dev Raj Seth, (Honours in History), G.C., II.
 Madan, (Honours in English), D.S.C., II.
 *Miss Agnes Khem Chand, Lahore, II.
 Saran Dass Bhanot, (Honours in English), S.D.C., II.
 Ghulam Ahmad, Mry.C., II.
 Ahmad Sadiq Mirza, (Honours in Persian), K.C., II.

1928

Jagan Nath Goyal, (Honours in Physics), D.A.-V.C., II.
 Lal Chand Bahl, D.S.C., II.
 Shanti Lal Dang, (Honours in English), F.C.C., II.
 *Milkhi Ram Sud, F.C.C., II.
 Devendar Sahai Kumria, G.C., II.
 Abdul Waheed Khan, (Honours in Persian), I.C., II.
 Lakhshmi Nath Sud, D.S.C., II.
 Mahraj Singh, D.S.C., II.
 Madan Mohan Sharma Atri, (Honours in English), F.C.C., II.
 Ibrahim H. Lotia, G.M.C., II.
 *Khilanda Ram Sukhija, S.E.C., II.
 Ram Pal Bhandari, D.S.C., II.
 Shaikh Mohd. Sharif, F.C.C., II.
 Khazan Chand, S.D.C., II.
 *Sh. Abdul Majeed, (Honours in History), S.E.C., II.
 *Muhammad Bakhsh Rajput, D.G. Khan, II.
 K. N. Sawhney, (Honours in English), D.A.-V.C., II.
 Murari Lal Kanwar, D.S.C., II.
 Abdul Majeed Mellick, F.C.C., II.
 Anant Ram Puri, (Honours in Physics), G.C., II.
 Mohammad Aslam, (Honours in English), G.C., II.
 Ram Labhaya, (Honours in English), S.D.C., II.
 H. K. Lall Ori, G.M.C., II.
 *Sher Bahadur Khan, I.C.P., II.
 *Ashapura Gupta, Lahore, II.
 Kahan Chand Sharma, D.A.-V.C., II.

* Not been admitted to the Degree,

1928

- *Mulkh Raj Duggal, (Honours in English), D.A.-V.C., II.
 Amar Nath Gupta, D.S.C., II.
 Jai Gopal Mathur, D.S.C., II.
 Harbans Singh Karir, (Honours in Economics), F.C.C., II.
 Mohd. Kazim Siddiqi, (Honours in History), I.C., II.
 Dayal Dass Perti, S.D.C., II.
 Mumtaz Husain Minhas, Gujranwala, II.
 Jagdish Chand Garg, F.C.C., II.
 Gurbakhsh Singh Puri, (Honours in Physics), F.C.C., II.
 *Kishan Sarup Thaper, F.C.C., II.
 *Amar Singh Puri, G.C., II.
 *Mubarak Ali Rajput, Mry.C., II.
 Manohar Lal Nanda, (Honours in English), Mry.C., II.
 *Fazal Mahmood, I.C., II.
 *Malik Ram Uboveja, D.A. V.C., II.
 Nem Chandra Jain, (Honours in Economics), S.D.C., II.
 *Gawardan Lall Watta, S.D.C., II.
 Manzur Hussain Malik, (Honours in Persian), Mry.C., II.
 Kirpa Shankar Mathur, (Honours in English), M.C., II.
 Labhoo Ram Joshi, (Honours in English), M.C., II.
 Ch. Rahmat Khan, Gujrat, II.
 Gurcharn Singh Keith, (Honours in Persian), K.C., II.
 Anant Ram Tingni, K.C., II.
 Hari Chand Handa, (Honours in Philosophy), D.S.C., II.

1928

- Malik Abdul Rahim, D.S.C., II.
 Baba Pyare Lal Bedi, (Honours in History), G.C., II.
 Sohanlal Bhayana, (Honours in History), G.C., II.
 Kartar Singh, Jullundur, II.
 Eric M. Munrowd, (Honours in English), Rawalpindi, II.
 *Man Mohini Zutshi, K.G.C., II.
 Parmanand Joshi, K.C., II.
 Krishna Chandra Chopra, F.C.C., II.
 Muhammad Hassan, I.C., II.
 Kapur Singh Sharma, Patiala, II.
 Lekh Raj Bhardwaj, K.C., II.
 Karam Singh, (Kooner), K.C., II.
 Chandra Gupta Jain, (Honours in English), D.S.C., II.
 Chitter Sain Sethie, F.C.C., II.
 Shanti Suvan, (Honours in English), G.C., II.
 Saiyid Hasan Jafari, G.C., II.
 *Sohan Lal Jhangie, Ludhiana, II.
 *Zamir Alam Husajn, Rawalpindi, II.
 *Iqbal Krishan Batra, D.S.C., II.
 *Dewan Chand Narula, F.C.C., II.
 Charan Dass Aggarwala, (Honours in English), G.C., II.
 M. Abdul Majid, I.C., II.
 Brij Bhushan Lal Bhatnagar, (Honours in Philosophy), S.D.C., II.
 *Jagadhar Mall Jain, Rohtak, II.
 Mangat Ram Sharma, (Honours in English), D.S.C., II.

* Not been admitted to the Degree.

1928

*Prithvi Raj Ahuja, F.C.C., II.
 Dev Raj Bhasin, G.C., II.
 *Nazar Singh, S.D.C., II.
 Beli Ram Sharma, M.C., II.
 *Kishan Singh Deol, K.C., II.
 Dip Chand Mudgal, D.A.-V.C., II.
 *Daulat Ram Sohti, D.A.-V.C., II.
 Jagat Inder Singh, D.S.C., II.
 Muni Lal Kapur, D.S.C., II.
 Prem Nath Nanda, D.S.C., II.
 Kh. Habib Ullah Mir, S.P.C., II.
 Sardari Lal Bahl, D.A.-V.C., II.
 Des Raj, (Honours in Economics), D.A.-V.C., II.
 Ch. Mohd. Azam Waraich, (Honours in English), G.C., II.
 *Nila Kanth Kaula, S.P.C., II.
 Amar Singh Sohawa, Amritsar, II.
 Sh. Ahsan-ul-Haque, Amritsar, II.
 *Komola Banerjee, K.G.C., II.
 Muhammad Siddeeqe Faruqi, (Honours in English), G.C., II.
 *Mohan Lal Kapur, G.C., II.
 *Muhammad Jaffar Tarkheli, I.C.P., II.
 Malik Abdul Rashid Khan, S.E.C., II.
 Satya Deva Sharma, Lahore, II.
 *Bachee R. Setna, L.W.C., II.
 *Lahri Singh Sangwan, D.A.-V.C., II.
 Des Raj Bajaj, F.C.C., II.
 *Mukand Lal Raheja, F.C.C., II.
 Sant Singh Sekhon, (Honours in English), F.C.C., II.

1928

Gian Chand Sharma, F.C.C., II.
 Brahma Nand Bhanot, (Honours in English), G.C., II.
 Kundan Lal Malhotra, S.D.C., II.
 Atam Chand Piplani, S.D.C., II.
 Devki Nandan Ghuliani, S.E.C., II.
 *Ghulam Farid Khan, S.E.C., II.
 *Mohammed Din, Jullundur, II.
 Kishan Chand Jaidka, Ferozepore, II.
 Harkishan Lal, F.C.C., II.
 Muzaffar Ali Khan, G.C., II.
 *Nasir Bakhsh, G.C., II.
 Kashi Ram Sharina, S.D.C., II.
 Ch. Abdur Rahman Safwi, I.C.P., II.
 Muhammad Motiullah Khan, S.E.C., II.
 Abdur Rahim, Kashmir, II.
 Jaimal Singh Jhelumi, K.C., II.
 *Rajinder Nath Dogra, G.C., II.
 *Bal Krishna Goswami, S.D.C., II.
 *Lachhman Dass, S.E.C., II.
 M. Sadr-ud-Din, S.P.C., II.
 Darbari Lal Sharma, (Honours in Economics), Gujrat, II.
 Des Raj Khullar, Gujrat, II.
 Kalyan Swarup Gupta, D.A.-V.C., II.
 Des Raj Malik, (Honours in Economics), D.A.-V.C., II.
 Parshotam Lal, D.S.C., II.
 Vishnu Datta, D.S.C., II.
 Murari Lal Parashar, (Honours in English), S.D.C., II.

* Not been admitted to the Degree.

1928

- Banarsi Dass Jain, S.D.C., II.
 Ghulam Mohammad, I.C.P., II.
 Jagdish Chander, D.S.C., II.
 Hardit Singh Suri, F.C.C., II.
 Iqbal Husain Akhtar, (Honours in Persian), G.C., II.
 *Arthur Alexander Marks, Mry.C., II.
 *Bansi Lal, M.C., II.
 Chiranjib Lall Varma, Gurdaspur, II.
 Nizam Din, Kohat, II.
 *Jagmohan Lall, D.S.C., II.
 Mangat Rai Kapur, F.C.C., II.
 Lakshmi Narain, G.C., II.
 Ch. Abdul Hafeez, I.C., II.
 Mohammad Shafiq, G.M.C., II.
 Chuni Lal Sharma, Gurdaspur, II.
 Pritam Singh, Amritsari, K.C., II.
 Harish Chandra Sharma, D.A.-V.C., II.
 Surrendro Nath, S.D.C., II.
 Sh. Aftab Ahmad, (Honours in English), Mry.C., II.
 *Sahibzada Mohd. Ilyas Majrooh, (Honours in Persian), I.C.P., II.
 Karam Chand Acharya, S.E.C., II.
 Banta Singh, Hoshiarpur, II.
 *Kripa Shankar Sinha, Montgomery, II.
 Harbhajan Singh (Man), D.S.C., II.
 Mohinder Singh Man, D.S.C., II.
 Khurshid Ahmad Hashemi, F.C.C., II.
 Mohammad Amir Faruque, G.C., II.
 *Daya Nand Sharma, S.D.C., II.

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- Sant Singh Pahal, E.C., II.
 Th. Phulel Singh *alias* Th. Bir Singh, S.P.C., II.
 Sh. Abdul Haque, Jullundur, II.
 Agha Abdul Ghaffar Khan, Bannu, II.
 *Har Narain Batra, D.S.C., II.
 Prabhu Dayal Bhatia, F.C.C., II.
 *Nand Gopal Sethi, G.C., II.
 S. K. Luthera, G.C., II.
 Bhagat Singh, (Honours in History), G.C., II.
 Ali Asghar Khan Barakhel, (Gandapur), I.C., II.
 Ramji Lal, S.D.C., II.
 *Assanand Chadha, S.D.C., II.
 Girdhari Lal Watts, G.M.C., II.
 *Jangi Lall Jain, P.W.C., II.
 Abdul Rashid, S.P.C., II.
 *Syed Hamid Husain, M.C., II.
 Baldev Singh Luthar, D.S.C., II.
 Krishan Lall Sudan, Attock, II.
 Hazur Singh Wirk, K.C., II.
 Hans Raj Soni, D.A.-V.C., II.
 *Dinkar Nath Sharma, D.S.C., II.
 Asadullah Khan Sahi Ahmadi, I.C., II.
 *Ram Chand Sawhni, S.D.C., II.
 S. Jahangir Ali Shah, Mry.C., II.
 *Nur Husain, D.I. Khan, II.
 Syed Shafat Husain, K.C., II.
 Darbara Singh Wrik, K.C., II.
 Tek Chand Chitkara, D.A.-V.C., II.
 *Ajaib Singh Brar, D.S.C., II.

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Harnam Singh Ghuman, D.S.C., II.
 Abdul Hamid Sheikh, G.C., II.
 *Mubarik Mand, I.C., II.
 Balwant Rai Dutt, S.D.C., II.
 Ram Lal, Montgomery, II.
 Sher Singh Gill, K.C., II.
 *Ram Singh Sethi, D.A.-V.C., II.
 Madan Lal Mehra, (Honours in History), F.C.C., II.
 Shanti Narain Rampal, (Honours in English), G.C., II.
 Satya Parkash Shahni, G.C., II.
 Ghulam Yasin Khan Niazi, G.C., II.
 Samuel Jacob, G.M.C., II.
 Ram Mohan Roy Mahotra, D.A.-V.C., II.
 Rup Lal Sanm, D.S.C., II.
 Badri Nath Batra, F.C.C., II.
 Jagmohanlal Bhatia, G.C., II.
 Hari Chand Anand, (Honours in English), S.D.C., II.
 Hans Raj Sharma, S.D.C., II.
 Din Dyal Rawal, S.D.C., II.
 Abdul Hamid, Mry.C., II.
 Abdul Hamid, (Honours in Persian), Mry.C., II.
 *Muzaffar Hussain, Mry.C., II.
 Sultan Khan, G.M.C., II.
 *Jai Singh Naroola, E.C., II.
 Isam Gul Khan, I.C.P., II.
 Kanshi Ram Pasricha, Roh-tak, II.
 Kirpal Singh, Ludhiana, II.
 Sh. Rahmat Ali, Sheikhupur, II.
 Mohammad Khan, Jhelum, II.
 M. S. Amiq, Multan, II.
 Lakhmi Chand Kohli, D.A.-V.C., II.

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Shub Raj Laroiya, D.A.-V.C., II.
 Sukhraj Singh, D.S.C., II.
 *M. A. Majid, D.S.C., II.
 Hardyal Singh Gorawara, D.S.C., II.
 Dwarka Nath Joshi, D.S.C., II.
 Mohd. Ala-ud-Din Siddiqi, (Honours in Persian), F.C.C., II.
 *Mathra Dass Saini, G.C., II.
 *Amrik Singh, Gujrat, G.C., II.
 Pir Mohd., I.C., II.
 Hardev Prasad Sharma, S.D.C., II.
 *Abdul Rahim Khan, S.E.C., II.
 Tej Singh Gujrati, Sheikhupur, II.
 *Abul Latif, Jhelum, II.
 Bashir Ahmad, (Honours in Persian), K.C., II.
 Balwant Rai Aggarwal, D.S.C., II.
 Daulat Ram Vasudeva, D.S.C., II.
 Munawer-ud-Din, I.C., II.
 Hari Charan Das Soni, S.D.C., II.
 Pir Shah Mohd. Latif, G.M.C., II.
 Amarnath Banerjee, P.W.C., II.
 M. Habib Ullah, S.P.C., II.
 Harchand Singh, M.C., II.
 *Prem Nath, Kashmir, II.
 Siri Krishan Pushkarna, K.C., II.
 Sundar Singh Banochi, K.C., II.
 Kishor Chand, K.C., II.
 Tara Singh Bajwa, D.A.-V.C., II.
 Abdul Ghani, (Honours in Persian), F.C.C., II.

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Ujagar Singh, 'Sandhu',
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Sh. Mohammad Shafi, I.C., II.
Mohan Lal Gumber, S.D.C.,
II.
Rajpal Singh Sikand, S.D.C.,
II.
Kundan Lal Puri, E.C., II.
*Lachhman Dass, E.C., II.
*Amin Jan, I.C.P., II.
*Mian Mohammad Rafiq,
I.C.P., II.
Jagat Singh, Amritsar, II.
Puran Chand Bhandari,
Lahore, II.
Dwarkanath, Multan, II.
Nand Lal, Kohat, II.
Dyal Dass, Bannu, II.
Des Raj Chopra, Jammu, II.
Amar Nath Puri, D.A.-V.C., II.
Hans Raj Bahl, D.S.C., II.
Pyara Lal Bhalla, F.C.C., II.
Devi Chand Gupta, S.D.C., II.
Kundan Lal Singal, S.D.C., II.
Bakhshi Ram Narain Vaid,
(Honours in English),
G.M.C., II.
*Dina Nath Warikoo, S.P.C.,
II.
Arjan Singh Khariwala, M.C.,
II.
Jamna Das, Hissar, III.
Chandgi Ram Sharma, Hissar,
III.
Jogindar Singh, Karnal, III.
Dilbagh Rai Saini, Hoshiarpur,
III.
*Manohar Dutt Sharma, Ho-
shiarpur, III.
Maharaj K. Laroia, Jullundur,
III.
Vasu Deva Sharma, Jullundur,
III.
*Ummid Ali Khan, Jullundur,
III.

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Nigahi Ram, Ludhiana, III.
Chain Singh, Ludhiana, III.
Prithvi Nath Teji, Ludhiana,
III.
Ch. Mohd. Hameed Ullah,
Amritsar, III.
Mihr-ud-Din, Amritsar, III.
Peyare Lal Puri, Amritsar,
III.
Kirpal Singh Madan, Amritsar,
III.
*B. K. Acharya, Lahore, III.
*Wali Ram Mehta, Lahore,
III.
Bashir Ahmad, Lahore, III.
Mumtaz Hassan, Lahore, III.
Lal Chand Bhatia, Lahore, III.
Shiv Prakash Kaura, Lahore,
III.
Vidya Sagar, Lahore, III.
*Chaudhry Ali Sher Khan,
Lahore, III.
*Amar Nath Puri, Lahore, III.
Hari Ram Gupta, Lahore, III.
Anil Chandra Roy, (Honours
in English), Lahore, III.
Mulk Raj, Lahore, III.
Pran Nath Sharma, Lahore,
III.
*Ch. Ghulam Ahmad Ahmady,
Lahore, III.
Syed Ghazanfar Ali Naqui,
Lahore, III.
Faqr Chand Rampal, Sialkot,
III.
*Chaman Lal Bhatia, Gujrat,
III.
Durga Dass Chadha, Gujrat,
III.
Mulk Raj Vij, Gujrat, III.
Mohd. Barkhurdar Khan,
Shahpur, III.
*Asa Nand, Shahpur, III.
*Jawanda Ram Bhatia, Shah-
pur, III.

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- Govindlal Khetarpal, Shahpur, III.
 Teja Singh, Shahpur, III.
 Bhanjan Ram *alias* Bhagwat Dutt, Jhelum, III.
 Ruchi Ram, Attock, III.
 Damodar Das Sharma, Rawalpindi, III.
 Daulat Ram, Rawalpindi, III.
 *Sh. Abdul Hamid, Rawalpindi, III.
 Amar Nath, Rawalpindi, III.
 *Sohan Lal, Rawalpindi, III.
 Sajjan Singh *alias* Gand Singh, Montgomery, III.
 Behari Lal Kapur, Lyallpur, III.
 *Ch. Mohammad Ibrahim, Lyallpur, III.
 Manohar Lal Kapur, Lyallpur, III.
 Asa Nand Kakan, Multan, III.
 Beli Ram Sachdev, Multan, III.
 Ghulam Mohd. Ahmadi, Multan, III.
 Bhawani Das Sardana, Multan, III.
 *Hakim Shah, Hazara, III.
 *Nand Singh, Hazara, III.
 Sidhu Ram Tundan, D.I. Khan, III.
 Diwan Chand Mullick, D.I. Khan, III.
 Nanak Chand Vig, Peshawar, III.
 Chuni Lal Thukral, Peshawar, III.
 Paras Ram, Peshawar, III.
 Ram Nath Langer, Jammu, III.
 *Asa Nand Varma, Kashmir, III.
 *Muhammad Rajab, Kashmir, III.

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- Jagat Ram, Poonch, III.
 *Sidiq Ahmad Khan Lodhi, Gurgaon, III.
 Zahur-ul-Haq Qureshi, Ambala, III.
 *Baikunth Nath, Simla, III.
 *Sukh Chain Sharma, Simla, III.
 Abdul Rahim, Simla, III.
 *Babu Ram, Simla, III.
 *Amar Nath Amar, Hoshiarpur, III.
 *Jaswant Singh, Ferozepore, III.
 T. Mohd. Sulaiman Aish, Ferozepur, III.
 Naseer-ud-Din Ahmad, Amritsar, III.
 *Ch. Muhammad Tufail Nayyar, Amritsar, III.
 Karamat Ullah, Lahore, III.
 Syed Ibne Hassan Razvi, Lahore, III.
 Mohd. Asghar Siddiqi, Lahore, III.
 Muhammad Ali Khan, Lahore, III.
 Ch. Abdur Rashid (*alias* Lal Din), Lahore, III.
 M. Yusufali, Lahore, III.
 Ch. Sharif Khan, Lahore, III.
 Q. Ikram Hussain, Lahore, III.
 *Lakhi Singh Chaudhri, Lahore, III.
 Manohar Sahai, Lahore, III.
 S. Yousaf Masih, Lahore, III.
 *Rudra Narayan Agarwala, Lahore, III.
 *Tribhawan Nath, Lahore, III.
 Sheikh Mohd. Shariff Puni, Lahore, III. [III.
 Mohd. Akram Ranjah, Lahore, Saigad Ghaus, Lahore, III.
 *Harnam Singh Bhatia, Lahore, III.

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S. Talha, Lahore, III.
Muhammad Amin, Lahore, III.
S. Muhammad Raza Shamsi, Lahore, III.
 **Muhammad Din, Lahore, III.*
Ch. Ali Ahmad, Lahore, III.
 **Noor Mohammad Khan, Lahore, III.*
 **Malik Zia Ullah Khan Zia, Gujranwala, III.*
 **Faqir Asghar Ali Siddique Kerbelai, Gujranwala, III.*
 **Ghulam Nabi Malik, Sialkot, III.*
 **Mohd. Iqbal Khan, Sialkot, III.*
Abdul Hamid, Gujrat, III.
Ghulam Jilani "Burque", Gujrat, III.
Karam Narain Sharma, Gujrat, III.
Syed Ghulam Hussain Jafri, Shahpur, III.
Muhammad Aslam Khan, Attock, III.
Ghulam Rabbani Aziz, Attock, III.
 **Ram Singh Suri, Rawalpindi, III.*
 **Harbans Singh, Rawalpindi, III.*
Anwar Ali Nurani, Jhang, III.
Ali Bakhsh, Multan, III.
Muhammad Ismail, Multan, III.
 **Nihal Singh, Bannu, III.*
Hari Sharma, Patiala, III.
 **Vimala Devi, Amritsar, III.*
 **Iqbal Kaur, Lahore, III.*
Lilawati Arora, Lahore, III.
 **Prabh Jot, K.G.C., III.*
Hari Narain Chauffa, K.C., III.
Ghulam Ali Khan, K.C., III.
Mohal Lal Aggarwal, K.C., III.

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Jagjit Singh Athwal, K.C., III.
Teja Singh Kallari, K.C., III.
Sawal Singh Kundan, K.C., III.
Ram Sahai Khanna, K.C., III.
Naunihal Singh alias Bawa Singh Gurdaspuri, K.C., III.
Jagan Nath Agarwal, K.C., III.
 **Inayat Ullah, K.C., III.*
Gurdial Singh Wirk, K.C., III.
Bal Kishen Dass Arora, K.C., III.
Fazal Ilahi, K.C., III.
Satya Pal Madar, K.C., III.
Amar Nath Sarna, D.A.-V.C., III.
Surindra Nath Sh. alias Chhidda Lal Sharma, D.A.-V.C., III.
Khazan Chand, D.A.-V.C., III.
Mohan Lal Sharma, D.A.-V.C., III.
Muni Lal Aggarwal, D.A.-V.C., III.
 **Krishna Dutt Sharma, D.A.-V.C., III.*
Dharam Vir Mehta, D.A.-V.C., III.
 **Hari Ram Chopra, D.A.-V.C., III.*
Ch. Kartar Chand Datt, D.A.-V.C., III.
Mulkh Raj Kapur, D.A.-V.C., III.
Sundar Lal Malhotra, D.A.-V.C., III.
Jaspal Rai Sondhi, D.A.-V.C., III.
Madan Mohan Kayesth, D.A.-V.C., III.
 **Mathra Das Pasi, D.A.-V.C., III.*
Bal Raj Gogna, D.A.-V.C., III.
 **Kundan Lal Chopra, D.A.-V.C., III.*

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Ram Lal Sharma, D.A.-V.C., III.
 Harbans Lal Aggarwal, D.A.-V.C., III.
 Nand Lal Sowani, D.A.-V.C., III.
 Chaman Lal Khullar, D.A.-V.C., III.
 Roshan Lal Vohra, D.A.-V.C., III.
 Lakshmi Narain Mongu, D.A.-V.C., III.
 Sardari Lal Chopra, D.A.-V.C., III.
 Sohan Lal Bhatia, D.A.-V.C., III.
 Ghirdhari Lal Ratanpal, D.A.-V.C., III.
 Tilak Parkash Singh Pathania, D.A.-V.C., III.
 Tara Chand Rewal, D.A.-V.C., III.
 Chuni Lal Vij, D.A.-V.C., III.
 Sham Lal Sauja, D.A.-V.C., III.
 Uttam Chand Merwaha, D.A.-V.C., III.
 Chandra Prakash Sapra, D.A.-V.C., III.
 Chandar Bhan Talwar, D.A.-V.C., III.
 Harbans Lal Chopra, D.A.-V.C., III.
 Sohan Lal Kapur, D.A.-V.C., III.
 Jagan Nath Marwaha, D.A.-V.C., III.
 *Mangat Rai Sud, D.A.-V.C., III.
 *Babu Ram, D.A.-V.C., III.
 Suraj Bhan Katiyal, D.A.-V.C., III.
 Jagan Nath Kaushal, D.A.-V.C., III.
 Tulsi Ram Chandel, D.A.-V.C.,

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Nand Lal Saini, D.A.-V.C., III.
 Daulat Ram Saini, D.S.C., III.
 Sayed Feroze Hassan, D.S.C., III.
 Sohan Lal Sud, D.S.C., III.
 Imamud Din Azar, D.S.C., III.
 Pandit Amolak Ram Kaushik, (Honours in English), D.S.C., III.
 Harbans Lal Lakhwara, D.S.C., III.
 *Dev Raj Dumra, D.S.C., III.
 Chanan Singh Bhindar, D.S.C., III.
 *Jodh Singh, D.S.C., III.
 Munshi Hari Ditta Katiyal, D.S.C., III.
 Pritam Singh Ahluwalia, D.S.C., III.
 Manohar Singh Bhatia, D.S.C., III.
 Banwari Lal Bhalla, D.S.C., III.
 Chaman Lal Manchanda, D.S.C., III.
 Manohar Lal Sharma, D.S.C., III.
 Bakhshi Ram Narula, D.S.C., III.
 *Piyare Lal Midha, D.S.C., III.
 Parkash Chand, D.S.C., III.
 *Raghubir Singh, D.S.C., III.
 *Kishen Singh Jaga, D.S.C., III.
 Chanan Singh Gill, D.S.C., III.
 *Amar Chandra Sud, F.C.C., III.
 Parmanand Jhingan, F.C.C., III.
 Hans Raj Seth (Bhusri), F.C.C., III.
 Khan Abdullah Khan, F.C.C., III.

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Chaudhri Samuel Hamilton
Chawhan, (Honours in Per-
sian), F.C.C., III.
Abdul Aziz, F.C.C., III.
S. M. Ishfaq Ali, F.C.C., III.
Ch. Muhammad Ali, F.C.C.,
III.
Sakandar Lal Sahgal, F.C.C.,
III.
Mansa Ram Chandel, (Honours
in English), F.C.C., III.
Ram Kishan Kathuria, F.C.C.,
III.
Ishwar Dass Trihan, F.C.C.,
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Naubat Rai Saggat, F.C.C.,
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*Ahmad Shah, F.C.C., III.
Gurdial Singh Sidhu, F.C.C.,
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Satya Parkash, F.C.C., III.
Aziz-ud-Din Ahmed, F.C.C.,
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Jagjit Singh Seth, (Honours in
History), F.C.C., III.
K. R. (Khulhi Ram) Kaushal,
(Honours in History), F.C.C.,
III.
Mehr Chand Duggal, F.C.C.,
III.
*Amar Nath Kumar, F.C.C.,
III.
Balkrishen Sardana, F.C.C.,
III.
Balwant Singh Jauhal, F.C.C.,
III.
*Chandra Dal Goela, F.C.C.,
III.
Amar Nath Agarwal, F.C.C.,
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Amolak Ram Suri, F.C.C., III.
Raj Krishna Tandan, F.C.C.,
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Tajindar Singh Hazuria,
F.C.C., III.

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Bishen Dass Jain, F.C.C., III.
Dwarka Dass Sodhi, F.C.C.,
III.
Ch. Fazal Elahi Alif, F.C.C.,
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Gobind Ram Nath, F.C.C., III.
Hans Raj Manga, F.C.C., III.
Jagdish Chandra Sharma,
F.C.C., III.
Mulk Raj Khosla, F.C.C., III.
Ved Kumar Ranade, F.C.C.,
III.
Yash Paul Varma, F.C.C., III.
Mohd. Sultan, F.C.C., III.
*Hari Singh Panwar, F.C.C.,
III.
Khushi Ram Arora, F.C.C.,
III.
*Behari Lal Sud, F.C.C., III.
Sohan Lal Puri, F.C.C., III.
Rattan Lal, G.C., III.
M. Ahsan, G.C., III.
Hasan Mehdi, G.C., III.
Syed Mustafa Husain Razvi,
G.C., III.
*Mohd. Iqbal, G.C., III.
*Mohammad Amir Khan, G.C.,
III.
Iqbal Ahmad Siddiqi, (Hon-
ours in Persian), G.C., III.
Zahur Ahmed Sheikh, (Hon-
ours in Persian), G.C., III.
*Abdul Haq (Mian), G.C., III.
Sultan Singh, G.C., III.
Anand Prakash, G.C., III.
Sukh Dev Singh Sodhi, G.C.,
III.
Raj Kishan Kapur, G.C., III.
Mohammad Masud, G.C., III.
*Har Lal, G.C., III.
Amrit Lal Jain, G.C., III.
Syed Mehdi Ali, G.C., III.
M. Iqbal, G.C., III.
Mohd. Waryam Khan Bhutta,
I.C., III.

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Mohd. Bashir, I.C., III.
 Mohammad Ikram Afzal, I.C., III.
 *Ch. Abdul Qadir, I.C., III.
 *Zahir-ud-Din, I.C., III.
 *Asghar Ali Qureshi, I.C., III.
 *Asghar Ali Khan, I.C., III.
 Asad Ullah Beg, I.C., III.
 *Syed Nisar Hussain, I.C., III.
 Ghias Mohammad, (Honours in Persian), I.C., III.
 Imtiaz Ahmad, I.C., III.
 *Malik Willyat Khan, I.C., III.
 *K. M. D. Fakhar, I.C., III.
 M. A. Rahman, I.C., III.
 *Sher Mohammad Khan, I.C., III.
 *Sultan Mohd., I.C., III.
 Haji Mohammad, I.C., III.
 Mohd. Ishaq (Siddiqi), I.C., III.
 *Nazar Mohammad Khan, I.C., III.
 *Sh. Bashir Ahmed, I.C., III.
 Sayad Zahur Ahmad Shah, I.C., III.
 Khawaja Ashfaq Ilahi, I.C., III.
 *Sh. Inam Rabbani, I.C., III.
 Ch. Ata Ullah Khan, I.C., III.
 Chaudhri Mohd. Shafi, I.C., III.
 Nazeer Ahmed, I.C., III.
 Dina Nath Vedwa, S.D.C., III.
 Dwarka Parshad Bhargava, S.D.C., III.
 Bakhshi Ram Sharma, S.D.C., III.
 Barkat Ram Marwaha, S.D.C., III.
 Madan Gopal Bhatia, S.D.C., III.
 Premee Pearelall, S.D.C., III.
 Darbari Lal, S.D.C., III.
 Chuni Dall Chanana, S.D.C., III.

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Chetan Dass Taneja, S.D.C., III.
 Labh Singh Kalra, S.D.C., III.
 Labhu Ram Aggarwal, S.D.C., III.
 Shiri Ram Aggarwal, S.D.C., III.
 Ishwar Dass Marwaha, S.D.C., III.
 *Sarab Roop Kohli, S.D.C., III.
 Mangat Ram Marwahia, S.D.C., III.
 Raizada Mohan Lal, S.D.C., III.
 Jagdish Datt Sethi, S.D.C., III.
 Harnam Dass Malia, S.D.C., III.
 *Mohan Dev Pant, S.D.C., III.
 Mool Chandra, S.D.C., III.
 Parmanand Bahl, S.D.C., III.
 Vishnu Datta Kapoor, S.D.C., III.
 Hira Lal Jain, Mry.C., III.
 *Ch. Abdullah Khan Cheema, Mry.C., III.
 Shiv Raj Singh Kapur, Mry.C., III.
 Mohammad Afzal, Mry.C., III.
 Ganda Mall Mahajan, Mry.C., III.
 Hans Raj Jain, Mry.C., III.
 *Syd. Nazir Ahmad, Mry.C., III.
 *Kartar Chand Chopra, Mry.C., III.
 *Muhammad Nazir Khan, Mry.C., III.
 Bakhshi Ram, Mry.C., III.
 Devinder Singh Lamba, Mry.C., III.
 J. J. Vania, Mry.C., III.
 Jagat Ram Mangal, Mry.C., III.

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Pt. Girdhari Lal Tara, G.M.C., III.
 Sri Krishan Aggarwal, G.M.C., III.
 *Mohd. Amin Putt, G.M.C., III.
 John Nathaniel Bhatti, G.M.C., III.
 *Raja Mohd. Sadiq, G.M.C., III.
 Khawajah Saif Din, G.M.C., III.
 Nathaniel H. Din, G.M.C., III.
 *Tara Chand Anand, G.M.C., III.
 Gobind Ram Kapur, G.M.C., III.
 Zia Ullah Khan, G.M.C., III.
 Hinat Singh Sawhney, G.M.C., III.
 Charanjit Lal Bhatia, G.M.C., III.
 Dinanath Talwar, G.M.C., III.
 Sham Nath Vidiarthi, E.C., III.
 *S. Mahmood-ul-Aslam (Banoori), E.C., III.
 *Tughan Shah, E.C., III.
 Mian Fazl-i-Hadi, E.C., III.
 Dharam Raj Ahluwalia, E.C., III.
 Niaz Mahmud, I.C.P., III.
 *Mohd. Sarwar, I.C.P., III.
 *Akbar Shah, I.C.P., III.
 *Mohd. Ali Khan Durrani, I.C.P., III.
 *Mohammad Ajab Khan, I.C.P., III.
 *Mir Akbar, I.C.P., III.
 Niamat Ullah, I.C.P., III.
 *Sarwar Sultan, I.C.P., III.
 *Muhammad Khan, I.C.P., III.
 *Ghulam Mustafa Janjua, I.C.P., III.

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*Abdul Aziz Biloch, S.E.C., III.
 Mohd. Shafi, S.E.C., III.
 M. A. Rahman, S.E.C., III.
 Mohd. Ibrahim Solach, P.W.C., III.
 *Ch. Mohd. Abdul Majid, P.W.C., III.
 *Abdul Wahid Dhar, P.W.C., III.
 Pirzada Abdul Majid, P.W.C., III.
 Durga Singh Rajput, P.W.C., III.
 *Mulk Raj Malhotra, P.W.C., III.
 *Abdul Hakim Khan Durrani, P.W.C., III.
 D. Roy, P.W.C., III.
 Raghunath Das Kohli, P.W.C., III.
 *Neranjan Nath Mattu, S.P.C., III.
 *Shive Ji Koul, S.P.C., III.
 *Durga Prasad, S.P.C., III.
 Prithvee Nath Koul, S.P.C., III.
 *Dina Nath, S.P.C., III.
 *Gobind Lal, S.P.C., III.
 *Prem Nath, S.P.C., III.
 Radha Krishen, S.P.C., III.
 *Amar Nath, S.P.C., III.
 Khawaja M. Abdul Ghani Fazili, S.P.C., III.
 M. Hidayat Ullah, S.P.C., III.
 *Jia Lal Kaul, S.P.C., III.
 Ghulam Mohammad, S.P.C., III.
 *Gulam Ahmad, S.P.C., III.
 *Jagan Nath Kaul, S.P.C., III.
 *Maheshwar Nath Kandhari, S.P.C., III.
 Nanak Chand Anand, S.P.C., III.

* Not been admitted to the Degree.

1928

- *Sarwanand Munshi, S.P.C., III.
 *Nirenjan Nath Fotadar, S.P.C., III.
 Devi Dayal Bahal, M.C., III.
 Bir Singh, M.C., III.
 Chandi Prashad Gupta, M.C., III.
 Balwant Singh Kalewal, M.C., III.
 Bishan Das, M.C., III.
 *Malik Sham Dass, M.C., III.
 Kundan Lal Bhagria, M.C., III.
 Sadhu Ram Ashufta, M.C., III.
 Satrajit Watts, M.C., III.
 *Babu Ram Varma, M.C., III.
 Raghbir Singh Palta, M.C., III.
 *Ramji Dass Mohindra, M.C., III.
 Ram Rakha Dube, M.C., III.
 Raja Bahadur, M.C., III.
 Ram Parshad Takyar, M.C., III.
 Amar Nath Sood, M.C., III.
 Iqbal Mohd., Lahore, III.
 †Ram Lal Nanda, D.A.-V.C., III.

List of persons who have passed the Honours Examination in B.A.

- Ram Lal Mehta, G.C., English.
 Shyam Lal Pandit, S.P.C., English.
 Kuljas Rai Jasrai, S.D.C., English.
 Prithvi Nath Vasudev, G.C., English.
 Ragnath Lal, F.C.C., English.
 Mohammad Haidar, G.C., English.

1928

- Mohammad Aslam, G.C., English.
 Dev Prakash Sood, D.A.-V.C., English.
 Ram Parshad, D.S.C., English.
 Som Prakash Puri, G.C., English.
 Shanti Siwan, G.C., English.
 Mangat Ram Sharma, D.S.C., English.
 Sapuran Singh, G.C., English.
 Eric M. Munrowd, Rawalpindi, English.
 Sant Singh Sekhon, F.C.C., English.
 Ramlal Sagar, D.S.C., English.
 Abdul Aziz, G.C., English.
 Laj Pat Rai Malhotra, P.W.C., English.
 Teja Singh Bawaja, D.S.C., English.
 Lal Singh, G.C., English.
 Brahma Nand Bhanot, G.C., English.
 Saran Dass Bhanot, S.D.C., English.
 Madan Mohan Sharma Atri, F.C.C., English.
 Karam Ilahi, G.C., English.
 Balwant Singh Ahluwalia, M.C., English.
 Tarlok Singh Bhatia, G.C., English.
 Nasir Ahmad, G.C., English.
 Manohar Lal Nanda, Mry.C., English.
 Dev Raj Aggarwal, S.D.C., English.
 Mansa Ram Chandel, F.C.C., English.
 Muhammad Siddeeque Faruqui, G.C., English.
 C. Samuel Lall, F.C.C., English.

* Not been admitted to the Degree.

† Passed under Regulation 19, Cal. p. 283 (*Syndicate Resolution* 27, dated the 5th October, 1929).

1928

Hari Chand Anand, S.D.C., English.
 Ram Labhaya, S.D.C., English.
 Shanti Lal Dang, F.C.C., English.
 Labhu Ram Joshi, M.C., English.
 Bijai Singh, K.C., English.
 Harkishan Das Bedi, S.D.C., English.
 Govind Chand, G.C., English.
 Rajindar Singh Randhawa, G.C., English.
 Kirpa Shankar Mathur, M.C., English.
 Suraj Lal Dass, G.C., English.
 Prem Chand Malhotra, F.C.C., English.
 Fateh Muhammad, G.C., English.
 Anil Chandra Roy, Lahore, English.
 Charan Dass Aggarwala, G.C., English.
 Murari Lal Parashar, S.D.C., English.
 Sh. Aftab Ahmad, Mry.C., English.
 Ram Lal Kalara, D.S.C., English.
 Baboo Lal, F.C.C., English.
 Syed Mohd. Mukhtar Ali Jaffri, M.C., English.
 Madan Gopal Kashyap, G.C., English.
 Chandra Gupta Jain, D.S.C., English.
 K. N. Sawhney, D.A.-V.C., English.
 Balwant Rai Aggarwal, G.C., English.
 S. N. S. Vidyarthi, G.C., English.
 Madan, D.S.C., English.
 Manohar Lal, D.A.-V.C., English.

1928

Kundan Lall Handa, G.C., English.
 Ch. Mohd. Azam, Waraich, G.C., English.
 Hazari Lal, Marwaha, D.A.-V.C., English.
 Mulkh Raj Duggal, D.A.-V.C., English.
 Pandit Amolak Ram Kaushik, D.S.C., English.
 Bakhshi Ram Narain Vaid, G.M.C., English.
 Diyal Singh, K.C., English.
 Jaswant Singh Bhalla, D.S.C., English.
 Shanti Narain Rampal, G.C., English.
 Ch. Abdul Rashidh Khan Bhatti, G.C., Persian.
 Mohd. Akram, G.C., Persian.
 Swarup Nath, G.C., Persian.
 Abdul Bashir Azari Ginai, I.C., Persian.
 Mohd. Ala-ud-Din Siddiqi, F.C.C., Persian.
 Abdul Wahped Khan, I.C., Persian.
 Sahibzada Mohd. Ilyas Majrooh, I.C., Persian.
 Ghias Mohammad, I.C., Persian.
 Gurcharan Singh Keith, K.C., Persian.
 Bashir Ahmad, K.C., Persian.
 Zahur Ahmad Sheikh, G.C., Persian.
 Manzur Hussain Malik, Mry.C., Persian.
 Abdul Hamid, S.D.C., Persian.
 Chaudhri Samuel Hamilton Chawhan, F.C.C., Persian.
 Iqbal Hussain Akhtar, G.C., Persian.
 Ahmed Sadiq Mirza, K.C., Persian.
 Iqbal Ahmad Siddiqi, G.C., Persian.

1928

- Abdul Ghani, F.C.C., Persian.
 Faqir Chand Arora, F.C.C., History.
 * Baba Pyare Lal Bedi, G.C., History.
 Sundar Dass Bhalla, E.C., History.
 Sh. Abdul Majeed, S.E.C., History.
 Chuni Lal Kapila, D.A.-V.C., History.
 Bhagat Singh, G.C., History.
 Baldev Raj Khanna, G.C., History.
 Krishna Singh, G.C., History.
 Sohan Lal Bhayana, G.C., History.
 Dev Raj Seth, G.C., History.
 Kapur Chand Puri, S.D.C., History.
 Jagat Singh, Peshawar, History.
 Khadim Husain Razwi, G.C., History.
 Madan Lal Mehra, F.C.C., History.
 Mohd. Kazim Siddiqi, I.C., History.
 Syed Yusaf Ali, Peshawar, History.
 K. R. (Khulhi Ram) Kaushal, F.C.C., History.
 Jagjit Singh Seth, F.C.C., History.
 Sayad Fida Hassan, G.C., History.
 Mumtaz Mirza, I.C., Economics.
 Chanan Singh Samra, G.C., Economics.
 Malik Taj-ud-Din, I.C., Economics.
 Tej Bhan Sethi, G.M.C., Economics.

1928

- Des Raj Malik, D.A.-V.C., Economics.
 Harbans Singh Karir, F.C.C., Economics.
 Lal Chand Aggarwal, S.D.C., Economics.
 Des Raj, D.A.-V.C., Economics.
 Nem Chandra Jain, S.D.C., Economics.
 Ganda Singh Bedi, G.C., Economics.
 Darbari Lal Sharma, Gujrat, Economics.
 Beant Singh, E.C., Economics.
 Kundan Lal Kapoor, E.C., Philosophy.
 Thakur Jagat Singh, D.A.-V.C., Philosophy.
 Hari Chand Handa, D.S.C., Philosophy.
 Brij Bhushan Lal Bhatnagar, S.D.C., Philosophy.
 Niranjana Nath Wanchoo, G.C., Physics.
 K. N. Dutt, G.C., Physics.
 Kishan Chand Mathu, G.C., Physics.
 Tara Chand Jhingan, G.C., Physics.
 Swaran Singh, G.C., Physics.
 Faqir Chand Kapur, G.C., Physics.
 Vidya Nand Dixit, F.C.C., Physics.
 Jagan Nath, Goyal, D.A.-V.C., Physics.
 Amolak Ram Chowdhry, F.C.C., Physics.
 Madan Mohan Singh, F.C.C., Physics.
 Gurbakhsh Singh Puri, F.C.C., Physics.
 Anant Ram Puri, G.C., Physics.

BACHELOR OF ARTS (SUPPLEMENTARY).

1927

Amar Nath Sharma, Ambala, II.
 Kishan Chand Chug, Peshawar, II.
 Sohan Lal Tandon, Gujranwala, II.
 *Joti Nath, F.C.C., II.
 Ram Lal Sharma, S.D.C., II.
 Rosie S. Massey, Lahore, II.
 Qureshi Amin Ahmed, Mry.C., II.

1927

Saad-ud-Din, Jhelum, II.
 Ata Mohammad Darapuri, Lahore, II.
 *Jugal Kishore, Lahore, II.
 Kanwar Dalip Singh Raghuwanshi, M.C., II.
 Janki Nath Anand, G.C., II.
 *Vishwa Nath Vanshil, Lahore, II.
 *Faqir Mohammad, Kohat, II.

BACHELOR OF ARTS.

1927

Kundan Lal Kohli, (Honours in Economics), G.M.C.

FACULTY OF SCIENCE.

DOCTOR OF SCIENCE.

1918

Baini Prashad, M.Sc., Lahore.

1919

Ramji Narain Mehra, M.Sc., Lyallpur.

1920

*K. N. Bahl, M.Sc., Lahore.

1922

Sunder Lall Hora, M.Sc., Calcutta.

* Not been admitted to the Degree.

1923

B. N. Chopra, M.Sc., Calcutta.

1925

G. S. Chitama, M.Sc., Poona.

1928

*H. L. Chhibber, Rangoon (Burma).

MASTER OF SCIENCE.

1928

1928

Gyan Chand Jain, G.C., Physics, I.	Janki Nath, G.C., Chemistry, III.
Balmokand, G.C., Physics, I.	Ram Bahadur Bhatnagar, F.C.C., Chemistry, III.
Vaishakhi Ram Aggarwal, G.C., Physics, II.	*M. L. Joshi, F.C.C., Chemistry, III. [III.]
*Lachhman Das Mahajan, G.C., Physics, II.	*Thakar Das, G.C., Chemistry, Chaman Lall Soni, Lahore, Chemistry, III.
*Maha Bir Dial Mathur, G.C., Physics, III.	Lachmi Narain Haksar, G.C., Chemistry, III.
Pyara Lal, F.C.C., Chemistry, I.	Faqir Chand Mathur, F.C.C., Chemistry, III.
Ram Lal Uberoy, Lahore, Chemistry, II.	Ranbir Lal Chopra, G.C., Botany (Honours School), I.
Harbans Lal Uppal, F.C.C., Chemistry, II.	Nand Lal Puri, G.C., Botany (Honours School), II.
Ram Singh, G.C., Chemistry, II.	Brij Lal Sethi, G.C., Botany (Honours School), II.
Bhagwan Das, Lahore, Chemistry, III.	*Basir Ali, G.C., Botany (Honours School), II.
Amar Singh Pannu, F.C.C., Chemistry, III.	Piara Mohan, G.C., Zoology (Honours School), II.
Sher Singh, G.C., Chemistry, III.	Jia Lal Raina, G.C., Zoology (Honours School), III.
*Hazari Lal Varma, G.C., Chemistry, III.	Hans Raj Bhalla, G.C., Zoology (Honours School), III.
Dev Datt Vasudeva, G.C., Chemistry, III.	

* Not been admitted to the Degree.

MASTER OF SCIENCE (HONOURS SCHOOL).

1928	1928
Bimal Das Jain, F.C.C., Chemistry, I.	Purushottam Dass, G.C., Chemistry, II.
Ram Narain Kapur, F.C.C., Chemistry, I.	*Chaman Lal Dhawan, G.C., Chemistry, II.
Sardar Mohammad, G.C., Chemistry, I.	Sham Lal Luther, G.C., Chemistry, II.
Prem Nath Sahai, F.C.C., Chemistry, II.	Najmud Din Aziz, G.C., Zoo- logy, II.

BACHELOR OF SCIENCE (HONOURS SCHOOL).

1928	1928
Amar Nath Kapur, G.C., Chemistry, I.	Ram Saran Das Malhotra, F.C.C., Tech. Chemistry, III.
Kashmiri Lal Budhiraja, G.C., Chemistry, I.	Manohar Lal Bhandari, F.C.C., Tech. Chemistry, III.
Ram Sahai Mal Laroiya, F.C.C., Chemistry, II.	Amolak Ram Chawla, F.C.C., Tech. Chemistry, III.
Mool Chand Bhatnagar, F.C.C., Chemistry, II.	Rattan Lal Badhwar, G.C., Botany, I.
Rai Tara Kant Lahiri, G.C., Chemistry, II.	Ram Saran Chopra, G.C., Botany, I.
Chandar Bhan, F.C.C., Chemis- try, III.	Abdul Rashid Akhtar, G.C., Botany, II.
Girdhari Lal Tandon, F.C.C., Chemistry, III.	Jamiat Rai Jandial, F.C.C., Botany, III.
Manohar Lal Wadhera, F.C.C., Chemistry, III.	Gopal Singh, G.C., Botany, III.
Dev Datta Watts, G.C., Tech. Chemistry, I.	Harbans Lal Gulatia, G.C., Botany, III.
Faqir Chand Trehana, D.A.- V.C., Tech. Chemistry, II.	Sukh Dial Chadha, G.C., Zoology, II.
Gurcharan Singh Auhloowalia, F.C.C., Tech. Chemistry, II.	Krishan Gopal Bhandari, G.C., Zoology, II.
Balwanti Singh Lalia, F.C.C., Tech. Chemistry, III.	Balbir Singh <i>alias</i> Sardar Singh, G.C., Zoology, II.
Hari Dev Mandal, F.C.C., Tech. Chemistry, III.	Nirmal Kumar Ganguli, F.C.C., Zoology, III.
Bhagirath Lal, F.C.C., Tech. Chemistry, III.	Nand Kishor Bhardwaj, F.C.C., Zoology, III.

* Not been admitted to the Degree.

BACHELOR OF SCIENCE.

1928

1928

Malik Mulkh Raj Sethi, (Honours in Physics), G.C., I.
 Gurcharan Singh Sachar, F.C.C., I.
 Mohammed Khurshid, F.C.C., I.
 Joti Sarup Varma, D.S.C., I.
 *Mohamad Aslam Hayat, D.A.-V.C., II.
 *Shyam Lal Vaishnava, (Honours in Physics), P.W.C., II.
 *Des Raj Wasson, D.S.C., II.
 Manohar Lal Chopra, Lahore, II.
 *Harkishan Singh, (Gojra), G.C., II.
 Sh. Abdul Qayyum, I.C., II.
 Abdul Majid, I.C., II.
 Karam Chand Sharma, (Honours in Botany), K.C., II.
 Ch. Mohd. Aziz-ud-Din, F.C.C., II.
 *Nur Ahmad Khan, (Honours in Botany), I.C.P., II.
 Prem Chander Bali, F.C.C., II.
 Gian Prakash Gour, Sheikhpur, II.
 *Jagdish Narain Bahadur, (Honours in Botany), K.C., II.
 Sham Singh Sidhu, F.C.C., II.
 Har Dayal Singh, Ludhiana, II.
 Kharati Ram Duggal, (Honours in Botany), K.C., II.
 R. Qurban Hussain Awan, I.C., II.
 *Rashid Ahmad Mansoor, I.C., II.
 *Bashirullah Orakzai, (Honours in Botany), I.C.P., II.
 Balwant Singh Malhi, D.A.-V.C., II.

*Mohan Krishna Huku, D.S.C., II.
 Izaz ud-Din Ahmad, I.C., II.
 Man Singh, Lahore, II.
 Dev Datt Sharma, Lahore, II.
 Gopal Das Jalli, (Honours in Botany), K.C., II.
 Ch. Mohamed Ashraf, (Honours in Botany), K.C., II.
 Krishen Baldev Bhardwaja, (Honours in Botany), K.C., II.
 Krishan Lal Kapur, D.A.-V.C., II.
 B. H. Vatsyayana, F.C.C., II.
 Vidya Sagar Kapur, F.C.C., II.
 Madan Gopal Rishi, F.C.C., II.
 *Phul Chand Sharma, K.C., II.
 Harsukh Rai A. Yajnik, F.C.C., II.
 *Theodore Millicans, F.C.C., II.
 Gulzari Lal Kapur, Lahore, II.
 Ishwar Dayal Gupta, D.A.-V.C., II.
 Hamid Ali Sufi, F.C.C., II.
 Charanjit Lal Kapoor, F.C.C., II.
 Sh. Arshad Ali, I.C., II.
 *Jai Ram Dass Nanda, K.C., II.
 Har Dyal Lakhanpal, Kangra, II.
 Mohan Parkas Kalsy, Lahore, II.
 *Sardool Singh Sawhney, (Honours in Botany), K.C., II.
 Chuni Lal Handa, Lahore, II.
 Mehl Singh, K.C., II.
 Karam Chand Nanda, D.A.-V.C., II.
 Kartar Nath Dhanda, K.C., II.
 Payare Lal Thapar, F.C.C., II.

* Not been admitted to the Degree.

1928

- *Kirpal Singh, Lahore, II.
 Autar Singh Sarhali, (Honours in Botany), K.C., II.
 *Dina Nath Raina, D.A.-V.C., II.
 Brij Ballabh Parshad Sharma, D.A.-V.C., II.
 Jagan Nath, D.S.C., II.
 Partap Singh Chhatwal, D.A.-V.C., II.
 Shambhoo Nath Hooja, D.A.-V.C., II.
 Devi Dass Sethi, Lahore, II.
 Hans Raj Chhibra, D.A.-V.C., II.
 *Pearcy Lal Duggal, Jullundur, II.
 Jamel Singh Saroa, (Honours in Botany), K.C., II.
 Trilok Nath Bhalla, D.A.-V.C., II.
 *Om Prakash Talwar, F.C.C., II.
 Lakshman Das Bhatia, K.C., II.
 Sansar Chand Puri, D.A.-V.C., II.
 Bag Shah Puri, F.C.C., II.
 Gurcharn Singh, G.C., II.
 Brij Singh Andotra, P.W.C., II.
 Jagmohan Singh Sallis, K.C., II.
 *Kishan Chand Khatri, F.C.C., II.
 Mohammad Nazir Shaikh, G.C., II.
 Roshan Lal Kapahi, K.C., II.
 *Mohd. Ahsan Gul, I.C.P., II.
 Taj Mohd. Khan Mohal, Lahore, II.

1928

- Bakhtawar Singh Ambalvi, K.C., II.
 *M. A. Rahman, I.C., II.
 Hardial Singh, K.C., II.
 *Ghulam Murtaza, P.W.C., II.
 Ajit Singh Jalandhari, (Honours in Botany), K.C., III.
 *Trilochan Singh Hazooria, K.C., III.
 Bhoomitra Sharma Kashypa, D.A.-V.C., III.
 Shanti Sarup, D.A.-V.C., III.
 Hukam Chand Batta, D.A.-V.C., III.
 Jawahar Lal Puri, D.A.-V.C., III.
 *M. Abdul Kabir, F.C.C., III.
 Bishamber Singh Katoch, G.C., III.
 *Abdul Hamid, G.C., III.
 *Mulk Raj Sabikhi, P.W.C., III.
 *Niranjan Nath Kaul, P.W.C., III.
 †Barkat Ram Sanon, D.A.-V.C.
 †Saiyid Muhammad Jafari, G.C.
 †Des Raj Gulati, F.C.C.
 †Bhag Chand Soni, F.C.C.
 †Amar Nath, F.C.C.
 †Sham Lal Nayar, G.C.
List of persons who have passed the Honours Examination in B.Sc., 1928.
 Malik Mulk Raj Sethi, G.C., Physics.
 Shyam Lal Vaishnava, P.W.C., Botany.

* Not been admitted to the Degree.

† Passed under Regulation 21, Cal. p. 291 (*Syndicate Resolutions* 22, 26 and 27, dated 2nd June, 1928, 15th June, 1928 and 5th October, 1928 respectively).

1928

Ch. Mohamed Ashraf, K.C.,
Botany.
Jagdish Narain Bahadur, K.C.,
Botany.
Noor Ahmad Khan, I.C.P.,
Botany.
Autar Singh Sarhali, K.C.,
Botany.
Karam Chand Sharma, K.C.,
Botany.
Kharati Ram Duggal, K.C.,
Botany.

1928

Gopal Das Jalli, K.C., Botany.
Sardool Singh Sawhney, K.C.,
Botany.
Bashirullah Orakzai, I.C.P.,
Botany.
Jamel Singh Saroa, K.C.,
Botany.
Krishen Baldev Bhardwaj,
K.C., Botany.
Ajit Singh Jalandhari, K.C.,
Botany.

BACHELOR OF SCIENCE (SUPPLEMENTARY).

1928

Mathra Dass *alias* M. D. Arora
Jolley, Rohtak, II.
Makhan Lal, Chawla, F.C.C.,
II.
Balak Ram Khanna, P.W.C.,
II.
Bidhi Chand Anand, G.C., II.
Dev Raj Mehṭa, G.C., II.
*Harish Chandra Galib *alias*
Hari Charan Dass Gupta,
F.C.C., II.
Balbir Singh Wadalia, G.C., II.
Shiv Nath Raheja, G.C., II.
*S. Gupta, F.C.C., II.
Hans Raj Bazaz, Gujranwala,
II.
Parma Nand Kaila, Lahore,
II.
*Sant Ram Jain, P.W.C., II.

1928

Sohan Lal Sahni, Rawalpindi,
II.
Kundan Lall, Lahore, II.
*Ram Dayal Bhalla, F.C.C., II.
Amar Singh, K.C., II.
*Mohammad Ishaq, Gurdas-
pur, II.
Lehna Singh, K.C., II.
Surendra Singh, Lahore, II.
*Sheikh Mohd. Abdullah,
Lahore, II.
*Salig Ram Chadha, Lahore,
II.
*Chuni Lal Kapur, Lahore, II.
Bawa Waryam Singh, G.C., II.
Shiri Ram Khanna, F.C.C., II.
Mukand Lal Aggarwal, Hissar,
II.
*Prem Nath Paul, F.C.C., II.

FACULTY OF AGRICULTURE.

MASTER OF SCIENCE IN AGRICULTURE.

1928

Ramesh Chandra Sahgal, A.C., Botany, III.

* Not been admitted to the Degree.

BACHELOR OF SCIENCE IN AGRICULTURE.

1928

*Kidar Lal Khanna, A.C., II.
 Chet Singh, A.C., III.
 *Nek Alam, A.C., III.
 Harjindar Singh Dhillon,
 A.C., III.
 *Har Dayal, A.C., III.
 J. S. Behl, A.C., III.
 *Mohd. Akbar, Mirza, A.C.,
 III.
 *Katar Singh, A.C., III.

1928

*Risawal Singh, A.C., III.
 *Niranjan Singh, A.C., III.
 *Mohd. Charagh, A.C., III.
 Mauj-ud-Din, A.C., III.
 *Jagindar Singh Pedi, A.C.,
 III.
 *Abdul Aziz Khan, A.C., III.
 *Mohd. Afzal, A.C., III.
 Khushi Muhammad, A.C.,
 III.

FACULTY OF ARTS.

BACHELOR OF TEACHING EXAMINATION.

1928

Nand Kishor Banati, C.T.C.
 I.
 Nand Lal, C.T.C., I.
 H. B. Luke, C.T.C., II.
 Sujan Singh, C.T.C., II.
 Durga Das Vasishta, C.T.C., II.
 Tirlok Singh Bindra, C.T.C., II.
 Namdar, C.T.C., II.
 Amar Nath Kapur, C.T.C., II.
 Sundar Singh, C.T.C., II.
 *Dina Nath Gam, C.T.C., II.
 *Ranben Das, C.T.C., II.
 Mahan Singh Sargodhia,
 C.T.C., II.
 Diwan Singh Chima, C.T.C., II.
 *Misbah-ul-Haq, C.T.C., II.
 Harji Lal Karkara, C.T.C., II.
 Sri Ram Bhimwal, C.T.C., II.
 Gyan Singh Pruthi, C.T.C., II.
 Chaman Lal Chopra, C.T.C.,
 II.
 Shanti Swaroop Vasishta,
 C.T.C., II.
 Kundan Lal Aggarwal, C.T.C.,
 II.

1928

Mohan Singh, C.T.C., II.
 *Sampoorn Singh Tandon,
 C.T.C., II.
 Balwant Singh Bajwa, C.T.C.,
 II.
 *Allah Ditta, Lyallpur, II.
 Riazul Hasan, C.T.C., II.
 Lakhpat Rai Bansal, C.T.C.,
 II.
 Mohd. Zakaria, C.T.C., II.
 Amar Nath Prabhakra, C.T.C.,
 II.
 Indar Sain Chaudhri, C.T.C.,
 II.
 Mohan Singh, Hazara, II.
 *Shabbir Ahmad, C.T.C., II.
 *Sujan Singh, Lahore, II.
 Mohammad Rafi Qureshi,
 C.T.C., II.
 Shivsaran Singh, C.T.C., II.
 Anant Singh Bhalla, C.T.C.,
 II.
 *Ram Chand Arora, Hoshia-
 pur, II.
 Durga Dass Sharma, C.T.C., II.

* Not been admitted to the Degree.

1928

Faqir Chand Chawla, Multan, II.
 Ram Saran Das Malhotra, C.T.C., II.
 Devi Ditta Mal, Montgomery, II.
 *Karam Chandra Dung, C.T.C., II.
 *Ranjit Singh Sodhi, C.T.C., II.
 *Fazal-ud-Din Ahmad, C.T.C., II.
 Mohd. Said, C.T.C., II.
 Habib Ahmad Khan, C.T.C., II.
 Dilbagh Rai Puri, C.T.C., II.
 Inam-ud-Din, C.T.C., II.
 Kauwar Milap Chandra Rajput, Kangra, II.
 *Khawaja Mohammad Iqbal, C.T.C., II.
 Yash Pal Sharina, Ludhiana, II.
 Abdul Majid, C.T.C., II.
 Karam Chand Bedi, Hoshiarpur, II.
 Muhammad Abdullah Niaz, Muzaffargarh, II.
 Kh. Akhtar Hasan, Lahore, III.
 Ghulam Mohy-ud-Din, C.T.C., III.
 Mian Karam Singh Jaswal, Gujranwala, III.
 Ram Lal Khanna, Montgomery, III.
 Siri Ram Sharma, C.T.C., III.
 *Makhan Singh, Hazara, III.
 Ram Kumar, Lyallpur, III.

1928

Sada Nand Mehta, Lahore, III.
 Jessa Ram Kathuriya, Gujranwala, III.
 *Kunj Behari Lal, Delhi, III.
 Nand Lal Verman, Lahore, III.
 Jagannath, Ferozepore, III.
 S. Fateh Ali Shah, Sheikhupur, III.
 Durga Dass Dharopra, Sialkot, III.
 Ram Chand Gulati, Muzaffargarh, III.
 Mohd. Sibgat Ullah Qureshi, Jullundur, III.
 Bansi Lal, C.T.C., III.
 Syid Taj Hussain Bukhari, Lyallpur, III.
 Ram Saran Khanna, Lyallpur, III.
 Hakeem Tahir Shahbaz, Lahore, III.
 Farhat Ullah Khan, C.T.C., III.
 Atma Ram Kanwatra, Muzaffargarh, III.
 Ahmad Husain Tirmizi, Lahore, III.
 *Allah Bakhsh, D.G. Khan, III.
 *Kirpa Ram, Gurdaspur, III.
 *Muhammad Ibrahim Ahmady, Gurdaspur, III.
 Muhammad Ramzan, Sheikhupur, III.
 Dina Nath Sethi, Sialkot, III.
 Mulk Raj Jai, C.T.C., III.
 *Dilbagh Rai, Rohtak, III.
 Hari Chand, Hoshiarpur, III.
 Ram Chandra Batra, Muzaffargarh, III.

* Not been admitted to the Degree.

FACULTY OF LAW.

*List of persons upon whom Degrees have been conferred under
Section 14, Act XIX, 1882.*

BACHELOR OF LAW.

1928

Kartar Singh Chadha, L.C., I.
 *Tej Ram Gupta, L.C., I.
 Mohan Lall Beebra, L.C., I.
 Sardari Lal Chopra, L.C., I.
 Sham Lall Agarwal, L.C., I.
 Panna Lal Jain, L.C., I.
 *Lajja Ram Gupta, L.C., I.
 Wazir Chand Sikka, L.C., I.
 Ganga Bishen Kapur, L.C., I.
 Kishore Chandra Banka,
 L.C., I.
 Mahliya Ram Chhabra, L.C., I.
 *Bachint Singh Hothi, L.C., I.
 Hans Raj, L.C., I.
 *Ram Gopal Kohli, L.C., I.
 Diwan Harbans Lall Datt,
 L.C., I.
 *Malawa Ram Mahajan, L.C.,
 I.
 Thakur Ram Das, L.C., I.
 Yog Raj Sethi, L.C., I.
 Bishan Das Aggarwal, L.C., I.
 Har Krishen Lall Bhagat,
 L.C., I.
 *Kartar Singh Puri, L.C., I.
 *Partap Chand Dhir, L.C., I.
 *Gokal Chand, Lahore, I.
 Saroopnath Mubayi, L.C., I.
 Himat Singh, L.C., I.
 Mehr Chand Sabharwal, L.C., I.
 Amar Chand Jain, L.C., I.
 Raghbir Singh Jawanda, L.C.,
 I.
 *Agha Ghazanfar Ali, L.C., I.
 Balmokand Arora, Lahore, I.
 Arthur Rae, L.C., I.
 Zafar Ali, L.C., I.
 Diwan Prakash Chand, L.C., I.
 Sant Lal Chawla, L.C., I.

1928

Agha Zaigham Husain Khan,
 L.C., I.
 Behari Lal 'Nadim', L.C., I.
 *Ram Lal, L.C., I.
 Dheru Mall Kapur, L.C., I.
 Hira Lal Gupta, Gurgaon, I.
 *Balmokand Vig, L.C., I.
 *Ram Rang Kubba, L.C., I.
 *Beni Prasad, Lahore, I.
 Bishan Das Vishnu, Lahore, I.
 *Bhagwan Das Chuchra, L.C.,
 I.
 Badrud Din, Lahore, I.
 *Ram Dass Manchanda, L.C.,
 I.
 *Puran Chand Gupta, L.C., I.
 *Tara Chand Munshi, L.C., I.
 B. K. Lahiri, Lahore, I.
 *Chandr Prakash Jhanjee,
 Lahore, I.
 *Mul Chand, L.C., I.
 Raghbir Singh Chohan, L.C.,
 I.
 Ishar Singh Hora, L.C., I.
 *Mangat Ram Mago, L.C., I.
 *Ram Dhan Ahuja, L.C., I.
 *Kishan Gopal Rekhi, Lahore,
 I.
 *Malik Kanshi Ram Batra,
 L.C., I.
 Abdur Rashid, L.C., I.
 *Gurdit Singh Sangari, L.C., I.
 Haqiqat Singh Gondara, L.C.,
 I.
 *Sher Ahmad Khan, L.C., I.
 *Basant Lal Jaggi, Lahore, I.
 Gurdial Singh Bhola, Lahore,
 I.
 Sundar Singh Bagai, Lahore, I.

* Not been admitted to the Degree.

1928

*Harry Chand Capoor, L.C., I.
 Kesho Das Soni, Lahore, I.
 Krishan Lal Kapur, L.C., I.
 *Meher Chand Jain, L.C., I.
 Somesh Chandra Trikha, L.C., I.
 Kudan Lal Khanna, Jammu, I.
 *Data Ram Bhatia, L.C., I.
 Parma Nand Pehal, L.C., I.
 *Gyani Sajjan Singh Shahpuri, L.C., I.
 Harcharn Singh, Rawalpindi, I.
 *Man Mohan Singh, L.C., I.
 Vidya Dhar Pandit, L.C., I.
 Kahan Chand Kalra, Lahore, I.
 Sh. Ghulam Ghaus, Lahore, I.
 *Lahori Mall Kalia, L.C., I.
 Prithvi Raj Kohli, L.C., I.
 Chaudhri Bashir Ahmad Alvi, Lahore, II.
 Shamsher Singh, L.C., II.
 Sant Ram, L.C., II.
 Bodh Raj Oberai, Lahore, II.
 *Jogindar Singh Grewal, Lahore, II.
 Kishan Chand Kapur, L.C., II.
 Mulk Raj Kawatra, L.C., II.
 *Mahabir Prasad Jain, Lahore, II.
 *Sheikh Mohammad Akbar, Lahore, II.
 Baboo Ram Sood, L.C., II.
 *Tej Singh Vaidya, L.C., II.
 Qazi Bakhtyar Ali Siddique, L.C., II.
 *Sant Singh Ahluwalia, L.C., II.
 *Mohammad Zalab Ali, Jhelum, II.
 *Dhan Raj Sarma, L.C., II.
 Teja Singh Datta, Lahore, II.
 *Basant Singh Gill, L.C., II.

1928

Dyal Chander Banka, L.C., II.
 *Mohan Lal Kahli, L.C., II.
 Malik Ram-Bheja Lal, Lahore, II.
 Chuni Lal Suri, L.C., II.
 Ghazanfar Hussain, L.C., II.
 *Narain Das Rajpal, L.C., II.
 Balindar Singh, Lahore, II.
 *Ganga Vishan Sachdev, Attock, II.
 Bawa Singh Dosanjh *alias* Babu Singh, L.C., II.
 Gurbakhsh Singh Hotiwala, L.C., II.
 *Mohar Chand Khanuja, L.C., II.
 Prithmi Chand Gulaty, L.C., II.
 *Mohammad Mehdi, Gujranwala, II.
 Mukand Lal Bhagat Bhutani, D.G. Khan, II.
 Raghu Partap Dhawan *alias* Boora Mal, L.C., II.
 Vishnu Datta Puri, L.C., II.
 *Kishan Singh, Lahore, II.
 Kanshi Ram Malhotra, Lahore, II.
 Hari Chand Mohindroo, L.C., II.
 Surjan Singh Bahri, L.C., II.
 *Gajjan Singh Bevali, L.C., II.
 *Lala Ram Gupta, L.C., II.
 Malik Man Mohan Singh, L.C., II.
 Niaz Ahmad, L.C., II.
 Bhagwat Swarup Aggarwal, L.C., II.
 Bal Krishan Sarin, Lahore, II.
 Ajit Singh, L.C., II.
 Jagat Singh, L.C., II.
 *Kulwant Rai Gupta, L.C., II.
 Neb Raj Nandwani, L.C., II.
 *Panna Lal Mital, L.C., II.

* Not been admitted to the Degree.

1928

Lakshmi Narain Sardana, Lahore, II.
 Harbans Lal Dang, L.C., II.
 Mangat Ram Khatri, Lahore, II.
 *Gurdial Singh Grewal, L.C., II.
 Pirthi Raj Jain, L.C., II.
 Ganeshi Lall Bhargava, Lahore, II.
 Ch. Abdus Sattar, L.C., II.
 Kishori Lal Wadehra, L.C., II.
 Manohar Lal Varma, L.C., II.
 *Sain Das Mahajan, L.C., II.
 Sh. Zahur Ahmad, L.C., II.
 Gosain Bhawani Das, L.C., II.
 Daryai Lal Sehgal, Lahore, II.
 Hamid Ali Akbar Khan, Lahore, II.
 *Shiv Saran Das Soni, L.C., II.
 Ghulam Haidar, L.C., II.
 Muhammad Said, L.C., II.
 Mohan Lal Bahl, L.C., II.
 Mulk Raj Jain, L.C., II.
 Vas Dev Jhamb, L.C., II.
 Rishi Ram Prinja, L.C., II.
 Mangal Das Dhawan, L.C., II.
 Rattan Chand Puri, L.C., II.
 Tara Chand Chandhoke, L.C., II.
 Kanwar Ram Singh, Lahore, II.
 *Des Raj Chopra, L.C., II.
 *Yag Dat Vij, L.C., II.
 *Chaudhary Brahm Datta Datta, Lahore, II.
 Anand Sawarup Vaid, L.C., II.
 Masud Ahmad, L.C., II.
 Nazir-ud-Din (Sheikh), L.C., II.
 A. L. Chaman, L.C., II.
 Raja Ram Gupta, L.C., II.
 Ram Nath Vig, Lahore, II.
 *Mian Abdul Aziz, L.C., II.

1928

*Boota Singh, L.C., II.
 Panna Lal Chopra, L.C., II.
 Kanshi Ram Sud, L.C., II.
 Sant Singh Kabotra, Lahore, II.
 Parma Nand Mehta, L.C., II.
 *Kishan Lall, L.C., II.
 Babu Ram Abrol, Lahore, II.
 Dev Raj Bhatia, L.C., II.
 Hukam Chand Sekhri, L.C., II.
 Rab Navaz Khan, L.C., II.
 *Suraj Mal, Delhi, II.
 *Lahri Singh, Lahore, II.
 Gyan Chand Khullar, L.C., II.
 *Jatindar Nath Kochhar, L.C., II.
 Choudhry Rattan Lal Bhatia, L.C., II.
 *Mohd. Abdullah Khan, Montgomery, II.
 Amar Nath Mohan, L.C., II.
 Bal Mukand, L.C., II.
 *Jamna Das Ahluwalia, Hoshiarpur, II.
 Syed Akbar Ali Shah, Bokhari, L.C., II.
 Vishwa Nath Aggarwal, L.C., II.
 *Kunj Lal Sharma, Delhi, II.
 Kharaiti Ram Khanna, L.C., II.
 Dina Nath Sethi, Lahore, II.
 Bakshi Charanji Lal Chibber, Lahore, II.
 Shingar Singh, Lahore, II.
 Brij Mohan Lal Bhatnagar, L.C., II.
 Hari Krishan Bhargava, L.C., II.
 *Dharam Singh Gupta Karnal, II.
 *Ganesh Dass Varma, Ferozepur, II.
 Hari Chand Puri, L.C., II.
 *Jagan Nath Mital, L.C., II.

1928	1928
Syed Jafar Hosain Bokhari, Lahore, II.	Ram Sarup Sharma, Lahore, II.
*Yakub Ali Shah, Sayad, Jhang, II.	*Bhag Singh, L.C., II.
*Sundar Singh Chadha, L.C., II.	*Bodh Raj Chandhoke, L.C., II.

BACHELOR OF LAW (SUPPLEMENTARY).

1927	1927
*Mohammad Hanif Khan, L.C., I.	*Ralla Ram Permar, L.C., II.
Pritam Singh Pall, L.C., II.	Hamid Ullah, Ch., L.C., II.
Desh Raj Mahajan, L.C., II.	*Ghulam Nabi, L.C., II.
Tharoo Lal Mata, L.C., II.	Anokh Singh Sidhu, L.C., II.
*Arjan Das Narula, L.C., II.	Kazi Zafar Hussain, L.C., II.
Mohd. Ali, L.C., II.	*Dewan Chand Chhabra, L.C., II.
Baldev Singh Grewal, L.C., II.	*Sainditta Ram, L.C., II.
Jugal Kishore Sharma, L.C., II.	*Baljit Singh, L.C., II.
Mohammad Abdullah Dhamin, L.C., II.	*Gian Chand Sethi, L.C., II.
*Mohd. Ghufraan Khan Khalil, L.C., II.	Raja Ram Dhawan, L.C., II.
*Jai Lal Gupta, L.C., II.	*Sohan Lal Kohli, L.C., II.
	*Dina Nath Chhokra, L.C., II.
	*Hazara Singh Dhillon, L.C., II.

*List of persons upon whom Diplomas have been conferred under
Section 14, Act XIX, 1882.*

LICENTIATES IN LAW.

Nil since 1908.

* Not been admitted to the Degree.

FACULTY OF MEDICINE.

*List of persons upon whom Degrees have been conferred under
Section 14, Act XIX, 1882.*

DOCTOR OF MEDICINE.

1913

N. B. Khare, B.A., M.B.—Ordinary.

1918

Jiwan Lal, M.B.B.S.—With distinction.

1920

Yar Mohd. Khan, M.B.B.S.—With distinction.
Het Ram Aggarwal, M.B.B.S.—Ordinary.

1921

Regbeer Singh, M.B.B.S.—With distinction.
Mohammad Yusuf, M.B.B.S.—Ordinary.

1923

Dwarka Nuth Kumar, M.B.B.S.—Ordinary.

1925

Madan Lal Rikhye, M.B.B.S.—Ordinary.
Jamiat Singh, M.B.B.S.—Ordinary.

MASTER OF SURGERY.

1915

Ganesh Das Kapur, M.B.B.S.—Ordinary.

1923

*Roshan Lal Khara, M.B.B.S.—Ordinary.

* Not been admitted to the Degree.

SPECIAL FINAL PROFESSIONAL EXAMINATIONS FOR M.B.B.S.

1918

Jiwan Lal.

1921

*Narbada Prasad, L.M.S.
 Treelok Chandar Nanda, L.M.S.
 S. C. Roy, L.M.S.

BACHELORS IN MEDICINE AND BACHELORS IN SURGERY.

April, 1928.

1928

Mohammad Ata Ullah Ahmadi,
 K.E.M.C.
 Mohammad Yaqub Ahmadi,
 K.E.M.C.
 Munshi Singh, K.E.M.C.
 Sashi Bhushan Mitter,
 K.E.M.C.
 Barkat Ullah, K.E.M.C.
 M. M. Syddiq, K.E.M.C.
 Gurbax Singh Sodhi, K.E.M.C.
 *Bhagwan Das Aggarwall,
 K.E.M.C.
 Ghulam Dastgir, K.E.M.C.
 Shiv Ram Chopra, K.E.M.C.
 Satya Kama Bharadwaja,
 K.E.M.C.
 Faizul Hassan, K.E.M.C.
 Sardar Ali, K.E.M.C.
 Anant Ram Sahy, K.E.M.C.
 Harnam Singh, K.E.M.C.
 Parduman Singh Madiratta,
 K.E.M.C.
 Mohd. Zaman, K.E.M.C.
 Syed Raza Husain Razvi,
 K.E.M.C.
 Din Dyal Verma, K.E.M.C.
 Partap Chand Mehra,
 K.E.M.C.

1928

Sujata Chaudhuri, L.H.M.C.
 Man Singh Sadarangia,
 K.E.M.C.
 Niaz Mohammed, Mian,
 K.E.M.C.
 *Hari Krishan Lal,
 K.E.M.C.
 Sh. Ghias Ud Dean, K.E.M.C.
 Diwan Singh Bhalla,
 K.E.M.C.
 Ganesh Dass Chawla,
 K.E.M.C.
 Abdur Rahman, K.E.M.C.
 Harish Chandra Madan,
 K.E.M.C.
 Edith H. Smith, L.H.M.C.
 Mohd. Abdur Rahman,
 K.E.M.C.
 Chuni Lal Bhatia, K.E.M.C.
 *Lakshmi Narain Mital,
 K.E.M.C.
 Mohammad Qasim, K.E.M.C.
 Bishan Singh, K.E.M.C.
 Fazal Ilahi, K.E.M.C.
 *Mohd. Mohsin Khan,
 K.E.M.C.
 Syed Manzoor Hassan,
 K.E.M.C.

* Not been admitted to the Degree.

1928	1928
*Harbans Lal (Chopra), K.E.M.C. Enid C. Street, L.H.M.C.	Dula Singh Bhatia, K.E.M.C. Ghulam Ahmad Khan, K.E.M.C.
*Girdhari Lal Kohli, K.E.M.C. Lakshmi Narain Gargash, K.E.M.C.	*Chandar Bhan, K.E.M.C. Hans Raj Dhir, K.E.M.C.
Diwan Chand Mehta, K.E.M.C.	Syed Inayat Ullah Shah, K.E.M.C.

October, 1928.

1928	1928
Hukam Chandra, (Honours in Medicine), K.E.M.C.	*Sham Sundar Fotadar, K.E.M.C.
Behari Lal Kapur, (Honours in Diseases of Eye, Ear, etc.), K.E.M.C.	Qazi Nazir Hussain, K.E.M.C.
Milap Chand Sethi, K.E.M.C.	Bhagwan Singh Khurana, K.E.M.C.
Mir Naeem Mahmood, K.E.M.C.	Kundan Lall Chadha, K.E.M.C.
Said Ahmad, K.E.M.C.	Sher Bahadur, K.E.M.C.
Baldev Singh Bhandari, K.E.M.C.	Pran Nath Kanwar, K.E.M.C.
Gowardhan Lall Sharma, K.E.M.C.	Harish Chandra Gupta, K.E.M.C.
Sohan Lall Joshi, K.E.M.C.	Abdul Hamid Ahmadi, K.E.M.C.
Ch. Zahurul Hasan Khan, K.E.M.C.	Balwant Raj Chadha, K.E.M.C.
*Baij Nath Sharing, K.E.M.C.	Siddiq Hussain, K.E.M.C.
Uttam Chand Sapra, K.E.M.C.	Prem Nath Dhanda, K.E.M.C.
*Sardul Singh, K.E.M.C.	Ram Kumar Goyal, K.E.M.C.
Shanker Das Mehra, K.E.M.C.	Ram Lal Sethi, K.E.M.C.
Fazal Rahman, K.E.M.C.	Gur Dyal Narang, K.E.M.C.
Mohan Singh, K.E.M.C.	*Mohd. Ibrahim, K.E.M.C.
Kaniz Bano Begam, L.H.M.C.	Abinash Chandra Sud, K.E.M.C.
Fakharud Din, K.E.M.C.	Muhamed Saeed, K.E.M.C.
Rikhi Nand Mathur, K.E.M.C.	Abdul Qayum, K.E.M.C.
	Mohammad Zarif, K.E.M.C.
	Amar Singh Aggarwal, K.E.M.C.
	Sri Ram Hoon, K.E.M.C.

* Not been admitted to the Degree.

*List of persons upon whom Diplomas have been conferred under
Section 14, Act XIX, 1882.*

LICENTIATE IN MEDICINE.

* Nil since 1918.

FACULTY OF ORIENTAL LEARNING.

*List of persons upon whom Diplomas have been conferred under
Section 14, Act XIX, 1882.*

HONOURS IN SANSKRIT (Shastri), 1928.

1928	1928
Satya Vrat Sharma, Amritsar, II.	Ved Vrat, Lahore, III.
Shri Niwas Acharaya Sharma, Jammu, II.	Parma Nand Sharma, Lahore, III.
Satya Prasad Bahuguna, O.C., II.	Bhagwaddatt Sharma, D.I. Khan, III.
Bulaki Ram Sharma, Amritsar, II.	Vasu Dev Sharma Agnihotri, Multan, III.
Mahesha Nand Sharma Ojha, O.C., II.	Yashoda Nandan Sharma, Multan, III.
Gopal, Multan, II.	Rom Harshan Sharma, Multan, III.
Vijya Nand Khanduri, O.C., II.	Ram Krishan Sharma, O.C., III.
Bhav Datt Sharma, Multan, II.	Salig Ram Sharma, Amritsar, III.
Dharampal Varma, Amritsar, II.	Vishnu Sharma, O.C., III.
Radha Krishan Sharma, (Nayak), Lahore, II.	Tara Datt Sharma, D.I. Khan, III.
Vidya Vrat Jai Singh Bhai Patal, Lahore, II.	Shanti Parsad Sharma, Naithani, O.C., III.
Braj Bhushan Sharma Nayak, O.C., II.	Radha Krishna Varma, Multan, III.
Krishan Datt Sharma, O.C., II.	Khem Chand Sharma, Multan, III.
Vishwr Nath, Multan, III.	Mul Raj Sharma, O.C., III.
Bhagat Ram Dwivedi, Hoshiarpur, III.	Duni Chandra, Lahore, III.
Kanhaiya Lal Sharma, Multan, III.	Surya Narain Sharma, Lahore, III.
Gulzari Lal "Ravinder", Hissar, III.	Durga Datt Sharma, Jammu, III.

* For Diplomas conferred up to 1917, please refer to Panjab University Calendar, Part II (1921-22).

1928

Shalagram Sharma, R.C., III.
 Narayan Rav Sharma Atrey,
 Lahore, III.
 Lal Chander, Multan, III.
 Asha Nand Satyarthi Ramdev,
 Multan, III.
 Asha Nand Varma, Multan,
 III.
 Gopal Sharma, Peshawar, III.
 Pitambar Datt Sharma, O.C.,
 III.
 Vinla Nand, Amritsar, III.
 Shiy Charan Sharma, Amritsar,
 III.
 Shankat Datt Sharma, O.C.,
 III.
 Har Gobind, Rawalpindi, III.
 Chhabhi Prakash Sharma
 Gaur, Lahore, III.
 Nand Kishore Sharma, Amrit-
 sar, III.
 Shriniwas Sharma, Amritsar,
 III.
 Trilok Nath Sharma, Amritsar,
 III.
 Lakhshmi Dhar Mahant,
 Hoshiarpur, III.
 Mangal Datt Sharma Bhar-
 dowaj, Patiala, III.
 Ragunandan Prasad Sharma,
 Lahore, III.
 Ambika Charan Sharma,
 O.C., III.
 Ram Krishan Agrey, Lahore,
 III.
 Beli Ram Mallick, Lahore,
 III.
 Shri Ram Sharma, Amritsar,
 III.
 Ved Prakash Jampuri, Multan,
 III.
 Jagdish Chandar Varma
 Baghel, Lahore, III.
 Jai Narayan Sharma Atrey,
 Lahore, III.
 Mohan Lal Sharma Madhav,
 Jammu, III.

1928

Durga Datt Sharma, Feroze-
 pur, III.
 Gyan Chandar Sharma,
 Lahore, III.
 Kutastha Nand Sharma, D.I.
 Khan, III.
 Madhu Sudan Sharma, Ludhi-
 ana, III.
 Vanshi Dhar Varma, Multan,
 III.
 Bhim Sen Sharma, Bahawal-
 pur, III.
 Hari Narayan Sharma,
 Ferozepur, III.
 Gauri Shankar Sharma,
 Ludhiana, III.
 Krishna Madhav Joshi,
 Lahore, III.
 Faqir Chander Sharma,
 Hazara, III.
 Lakhshmi Dhar Sharma,
 Amritsar, III.
 Baru Ram Sharma, Ambala,
 III.
 Gauri Shankar Sharma,
 Lahore, III.
 Rattan Chander, Amritsar,
 III.
 Hazari Lal Sharma Gaur,
 Lahore, III.
 Rameshwar, Rawalpindi, III.
 Dev Datt, Lahore, III.
 Gyan Chandar Sharma, Hoshi-
 arpur, III.
 Sri Ram Sharma Vasisht,
 Hoshiarpur, III.
 Gyan Chandar Sharma,
 Kapurthala, III.
 Ram Charan Sharma, Hissar,
 III.
 Mathura Das, Lyallpur, III.
 Ravi Datt Sharma, Lahore,
 III.
 Bhu Dev Sharma, Lahore,
 III.
 Shiv Narayan Sharma, Kapur-
 thala, III.

HONOURS IN ARABIC (Maulvi Fazil), 1928.

1928

Mohammad Nazir, O.C., I.
 Said Hassan, O.C., II.
 Mohammad Shafi, Lahore, III.
 Abdur Rashid, O.C., III.
 Ahmad Hussain, O.C., III.
 Mohammad Din, Sialkot, III.
 Noor Mohd. Khan, D.G. Khan,
 III.
 Abdur Rahman, Lahore, III.
 Abdul Wahid Kashmiri, Gur-
 daspur, III.
 Ghulam Ahmad Khan
 Hazarvi, O.C., III.

1928

Mohammad Saif-ur-Rahman,
 Lahore, III.
 Mohammad Hasan, Amritsar,
 III.
 Mahbub Ilahi, Lahore, III.
 Mohammad Sadiq, Gurdaspur,
 III.
 Abulfazl Mohd. Amin, Gujran-
 wala, III.
 Abdul Ghafur, O.C., III.
 Abu Rafi Mohd. Shafi
 "Shams", O.C., III.
 Abdul Ghani, Lyallpur, III.

HONOURS IN PERSIAN (Munshi Fazil), 1928.

1928

Farkhandah Akhtar Shamim,
 Jullundur, II.
 Rahmat Ali, Jullundur, II.
 Mohd. Abdul Khaliq, Rawal-
 pindi, II.
 Nazir Ahmad, Lahore, II.
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 pur, III.
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 Rama Krishna, G.C., English,
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 *Bhagwant Rai Vasishta, G.C.,
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 *Abdulwahid, G.C., English,
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 Banwari Lal Kapur, F.C.C.,
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 Abdul Majid Khan, F.C.C.,
 English, III.
 *Man Mohan Khosla, F.C.C.,
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 Sher Singh Khehar, F.C.C.,
 English, III.
 Sucha Singh, F.C.C., English,
 III.
 *Mehr Chand, G.C., English,
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 Sanskrit, I.

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 III.
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 *Sikander Lal Handa, Lahore, Mathematics, III.
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 Bhan Chand, Lyallpur, Philosophy, III.
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 Kanwar Kishan Dar, P.W.C., I.
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 Harbans Lal Sekheri, F.C.C., I.
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 Harbans Rai, F.C.C., III.
 Prem Nath Varma, F.C.C., III.
 Shah Muhammad Qureshi, F.C.C., III.
 Durga Dass Sharma, F.C.C., III.
 Amrit Lal Dass, F.C.C., III.
 Kirpal Singh Bindra, F.C.C., III. [III.
 Durga Dass Khanna, F.C.C.,
 Krishan Chandra Gupta, F.C.C., III.
 Bishamber Nath, F.C.C., III.
 Tirath Ram Gupta, F.C.C., III.
 Hari Chand *alias* Harish Chandra Arora, F.C.C., III.
 Ram Gopal, F.C.C., III.
 *Ghulam Murtza, F.C.C., III.
 Bakhshi Jaswant Singh Segan, F.C.C., III.
 *Khadim Mohy-ud-Din, F.C.C. III.

* Not been admitted to the Degree.

1929

Krishen Chand Magon, F.C.C., III.
 Lajpat Rai Gandhi, F.C.C., III.
 *Prem Chandra Sud, F.C.C., III.
 *Qadeer Ahmad, F.C.C., III.
 *Wazir Singh Mongia, F.C.C., III.
 Bhagat Ram, F.C.C., III.
 Brij Lall Nijhawan, F.C.C., III.
 Dip Chand Jain, F.C.C., III.
 Harbans Lal Bajaj, F.C.C., III.
 *Hem Raj Sud, F.C.C., III.
 *Mulkh Raj, F.C.C., III.
 Muni Lal Bhuchar, F.C.C., III.
 Sohan Lall Sud, F.C.C., III.
 *Umrao Singh Jain, F.C.C., III.
 Balwant Singh Ahluwalia, F.C.C., III.
 Jagadish Chand Mathur, F.C.C., III.
 Harold Martin, F.C.C., III.
 Bhupindra Singh, F.C.C., III.
 Gur Kripal Singh, F.C.C., III.
 R. C. Mittra, F.C.C., III.
 Maula Bakhsh, F.C.C., III.
 Kishan Singh Jodhka, F.C.C., III.
 *Ch. C. L. Sundar Das, F.C.C., III.
 Zaka Ullah, F.C.C., III.
 Ram Chandra, F.C.C., III.
Syed Mohsin Tirmizey, F.C.C., III.
 Shambhu Dutt, G.C., III.
 *Devindra Lal Sondhi, G.C., III.
 Sh. Mohammad Said, G.C., III.
 Khawaja Munawar Hasan, G.C., III.

1929

*Abdul Aziz Harl, G.C., III.
 Fayyaz-ud-Din, G.C., III.
 Hafiz Said Ahmad, G.C., III.
 A. H. Sheikh, G.C., III.
 Safdar Jang Malak, G.C., III.
 Sh. Abdullah Jan, G.C., III.
 *Iqbal Singh Gauba, G.C., III.
 Kundan Lal Sangar, G.C., III.
 Bhagwan Singh Chawla, G.C., III.
 Panna Lall Suri, G.C., III.
 *P. L. Tandon, G.C., III.
 Ghulam Hassan Khan, G.C., III.
 *Narain Das Nangia, G.C., III.
 Mewa Ram Batra, G.C., III.
 Indar Singh, G.C., III.
 Karan Singh, G.C., III.
 Basant Singh, G.C., III.
 Lakhmir Singh Arora, G.C., III.
 Prem Nath Marwaha, G.C., III.
 Gopi Kishen Kichlu, G.C., III.
 *Allah Dad Khan, G.C., III.
 Jindra Lal, G.C., III.
 *Kanwar Pirthi Singh, G.C., III.
 *I. N. Mutto, G.C., III.
 *Mohammad Zeman Janjua, G.C., III.
 *Sheikh Sharif Hussain, G.C., III.
 Sampuram Singh, G.C., III.
 Mohan Singh, G.C., III.
H. Anis Ahmad, G.C., III.
 *Pirzada Ihtisham-ud-Din Ahmad Ibrat, I.C., III.
 Ch. Ghulam Ali, I.C., III.
 *Ghulam Farooq, I.C., III.
 *Abdul Aziz, (Honours in Arabic), I.C., III.
 *Ghulam Mehdi Khan Kharl, I.C., III.
 Nazar Mohammad, I.C., III.

* Not been admitted to the Degree.

1929

Inayat Ullah Beg, I.C., III.
 *Abaid-ur-Rahman Dar, I.C., III.
 *Mohammad Akbar Khan, I.C., III.
 Maula Bakhsh Khizar Tanimi, (Honours in Persian), I.C., III.
 Rahmat Ullah Sheikh, I.C., III.
 Rahim Bakhsh, I.C., III.
 Sh. Mohd. Usman, I.C., III.
 *Sheikh Mohd. Hafiz, I.C., III.
 *Sh. Mumtaz-ud-Din, I.C., III.
 Agha Basheer Ahmad, I.C., III.
 *Cheragh-ud-Din, I.C., III.
 Mazbar Ali Khan, I.C., III.
 *Syed Mohamad Zakaullah, I.C., III.
 *S. Ghulam Hushain, I.C., III.
 Sh. Mohd. Yusaf Hussan, I.C., III.
 Ghulam Yahya Mullick, I.C., III.
 Sher Mohaminad, I.C., III.
 B. Nazir Ahmad, I.C., III.
 A. Aziz, I.C., III.
 Shah Nawaz Chaudhri, I.C., III.
 Feroz Din Batt, I.C., III.
 *Sardar Ali Muhammad, I.C., III.
 *Khursheed Ahmed, I.C., III.
 *Sayed Bakht Bedar Shamsy, I.C., III.
 *Abdul Rahman, I.C., III.
 Sh. Ghulam Rasul, I.C., III.
 *S. Diwan Ali Shah, I.C., III.
 *Raja Mohd. Sardar Khan Janjua, I.C., III.
 Sh. Mohd. Aslam, I.C., III.
 Ram Chandar Janmeja, S.D.C., III.

1929

Radha Raman Lal, S.D.C., III.
 *Gopi Lal Goswami, S.D.C., III.
 Dhawaja Nand Sharma, S.D.C., III.
 Lakhmi Pati Jain, S.D.C., III.
 Kirti Ram Sharma, (Honours in Sanskrit), S.D.C., III.
 Nand Kishore Kashyapa, S.D.C., III.
 Bal Krishna Agarwal, S.D.C., III.
 *Har Sarup Bhatnagar, S.D.C., III.
 Gulzari Lal, S.D.C., III.
 Makhan Lal Anand, S.D.C., III.
 Kirat Singh Mehta, S.D.C., III.
 *Shiv Ram Kohli, S.D.C., III.
 Nand Kishore, S.D.C., III.
 Kehr Singh Sidhoo, S.D.C., III.
 Rattan Chand Satia, S.D.C., III.
 Parma Nand Relan, S.D.C., III.
 Hans Raj Gupta, S.D.C., III.
 Ram Nath Malhotra, S.D.C., III.
 Ram Chand Dewan, S.D.C., III.
 *Bakhshi Tej Singh, S.D.C., III.
 Hukam Chand Khurana, S.D.C., III.
 *Sukh Dev Raj, S.D.C., III.
 *Pars Ram Bhardwaj, S.D.C., III.
 Dukhbhanjan Lal Mullick, S.D.C., III.
 Ram Nath Suri, S.D.C., III.
 Jai Dyal, S.D.C., III.
 Uttam Chand Seth, S.D.C., III.
 Dwarka Nath Dhon, S.D.C., III.

1929

- *Dev Raj Vohra, S.D.C., III.
 Bans Gopal Saxena, S.D.C., III.
 Chhabil Dass, S.D.C., III.
 Satya Bhusan Lall, S.D.C., III.
 Parshotam Lal Kaistha, S.D.C., III.
 Hans Raj Sharma, S.D.C., III.
 Sukh Dev Singh Sehgal, S.D.C., III.
 *Mohammad Hayat Khan, S.D.C., III.
 *Krishna Chandra Bali *alias* Kalu Chand Bali, S.D.C., III.
 *Birendra Shah, S.D.C., III.
 Manohar Lall Prashar, S.D.C., III.
 *Purusotam Dabral, S.D.C., III.
 Bahadur Chand, S.D.C., III.
 Mohd. Afzal Khan, Mry.C., III.
 Syed Mohd. Fazil, Mry.C., III.
 *Muzaffar Ali, Mry.C., III.
 *Mohd. Siddique, Mry.C., III.
 Jaswant Rai Khosla, Mry.C., III.
 *Abdul Karim Hasrat, Mry.C., III.
 Ch. Feroz Ali, Mry.C., III.
 *Mufti Nazar Mohd., Mry.C., III.
 Ch. Shafi Ahmad Waraich, Mry.C., III.
 *Mohd. Bashir Qureshi, Mry.C., III.
 Sadiq, Mry.C., III.
 *Harbans Lal Duggal, Mry.C., III.
 Harbans Lal Mahajan, Mry.C., III.
 Sh. Zafar-Ilahi Murad, Mry.C., III.
 Des Raj Arora, Mry.C., III.

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- *Inam Ullah, Mry.C., III.
 Hans Raj Mahajan, Mry.C., III.
 Gian Chand Jandial, Mry.C., III.
 Jalal-ud-Din, Mry.C., III.
 Baij Nath Wadhera, Mry.C., III.
 *Mohammad Sarwar, Mry.C., III.
 *Nazir Ullah, Mry.C., III.
 *Mohd. Akram, Mry.C., III.
 *Inayat Nowab Dean, G.M.C., III.
 Harnam Lal, G.M.C., III.
 *Jaswant Singh, G.M.C., III.
 Uttam Chand Kakar (unfortunate), G.M.C., III.
 Digambar Dyal Singh Bhatnager, G.M.C., III.
 *Des Raj, G.M.C., III.
 Bal Ram Sabharwal, G.M.C., III.
 Feroze Din, G.M.C., III.
 *Sadiq Ali, G.M.C., III.
 *Manohar Lal Checker, G.M.C., III.
 Azim Yar Khan, G.M.C., III.
 *Manohar Singh 'Nirmal', G.M.C., III.
 *Ram Nath, G.M.C., III.
 *Dewan Chand Anand, G.M.C., III.
 P. D. Wishwa Nath Sharma, G.M.C., III.
 Mirza Mohd. Ashraf, G.M.C., III.
 Malik Ghulam Yusuf Khan Golra, G.M.C., III.
 Lok Nath Narula, G.M.C., III.
 *Baldev Chadha, G.M.C., III.
 Surinder Nath, G.M.C., III.
 Mahmood Ahmad Minto, G.M.C., III.

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Nand Kishore Kalha, E.C., III.
 Parma Nand Magotra, E.C., III.
 *Abdus Sami, E.C., III.
 *Amir Ali Shah, E.C., III.
 *Ata Mohammad Khan Babar, E.C., III.
 Rashid Ahmad, E.C., III.
 *Waris Khan Babar, E.C., III.
 *Abdullah Jan, E.C., III.
 Abdul Rashid, E.C., III.
 *Amin-ud-Din Mian, E.C., III.
 Charan Singh, E.C., III.
 Jagat Singh, E.C., III.
 Karam Chand Saigal, E.C., III.
 *Krishan Lal Khanna, E.C., III.
 Syed Nasrullah Jan (Mashwani), I.C.P., III.
 *Mohd. Nawaz Khan, I.C.P., III.
 M. Farid Khan, I.C.P., III.
 Khawja Safdar Ali, I.C.P., III.
 *Ghulam Musa Khan, I.C.P., III.
 *Sher Hasan, I.C.P., III.
 *Habib Ullah Babar, I.C.P., III.
 *Iqbal Din, I.C.P., III.
 *Muqarrab Khan, I.C.P., III.
 *Allah Bakhsh, I.C.P., III.
 Jahangir Hussain, I.C.P., III.
 *Sh. Mahmud, I.C.P., III.
 *Mohd. Ashraf Khattak, I.C.P., III.
 *Fredun, I.C.P., III.
 Fazl-ur-Rahman, I.C.P., III.
 Abdul Haye, I.C.P., III.
 *Ahmad Hasan, I.C.P., III.
 *Hastam Khan, I.C.P., III.
 Jagan Nath Dudeja, S.E.C., III.
 *Sultan Ahmad, S.E.C., III.

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*Ch. Mohd. Akram, S.E.C., III.
 *Bashir Ahmad, S.E.C., III.
 *Abdul Karim Rahmani, S.E.C., III.
 *Abdul Rahim Khan, S.E.C., III.
 *Mehta Ram Chand, S.E.C., III.
 Mal Adu Ram, S.E.C., III.
 Lal Chander Vijh, S.E.C., III.
 *Krishan Datt Sharma, P.W.C., III.
 *Ram Nath Sharma, P.W.C., III.
 *Chaman Lal Tuli, P.W.C., III.
 *Ch. Umar Hayat Khan, P.W.C., III.
 *Habib Ilahi Sheikh, P.W.C., III.
 *Syed Said Ahmad, P.W.C., III.
 *Nazir Ahmad Jaya, P.W.C., III.
 *Mohammad Bashir Ahmad, P.W.C., III.
 Malik Mohammad Faiz Alam, P.W.C., III.
 Abdul Haye Sheikh, P.W.C., III.
 *Durga Dass Paul, P.W.C., III.
 Gurcharan Das Sahgal, P.W.C., III.
 *Bachittar Singh Katal, P.W.C., III.
 Bhagat Singh Mangar, P.W.C., III.
 Lachman Das Thakkar, P.W.C., III.
 Durga Dass Gupta, P.W.C., III.
 *Vish Nath Mandloo, S.P.C., III.
 *Tika Lal Karihaloo, S.P.C., III.

1929

- *Janki Nath Bhan, S.P.C., III.
 *Gopi Nath Raina, S.P.C., III.
 *Arjun Nath Pandita, S.P.C., III.
 *Amar Nath Jotshi, S.P.C., III.
 *Gopi Nath Kotru, S.P.C., III.
 Pushker Nath Madan, S.P.C., III.
 *Kazi Khalid Mahmood, S.P.C. III.
 *Gopi Nath Drabu, S.P.C., III.
 *Shamboo Nath Kaul, S.P.C., III.
 *Arjan Nath Pandita, S.P.C., III.
 *Maheshwar Nath Kaul, S.P.C., III.
 *Shyam Lall, S.P.C., III.
 *Tika Lal Raina, S.P.C., III.
 Shamboo, Datt Khendria, S.P.C., III.
 *Radha Krishen Kaul, S.P.C., III.
 *Shamboo Nath Kaul, S.P.C., III.
 Gopi Nath Kaul, S.P.C., III.
 *Vidha Lal Saraf, S.P.C., III.
 Ranjit Singh Jamwal, S.P.C., III.
 Dewan Chand Sharma, S.P.C., III.
 *Madsudhan Razdan, S.P.C., III.
 *Sat Lal Koula, S.P.C., III.
 *Narindra Singh, S.P.C., III.
 Shamboo Nath Labroo, S.P.C., III.
 *Prem Nath Dhar, S.P.C., III.
 *Jia Lal Raina, S.P.C., III.
 Hari Datt Vasudeva, S.P.C., III.
 *Jagan Nath Sharma, M.C., III.
 *Vidya Rama Sharma, M.C., III.

1929

- Kirpa Ram Prinje, M.C., III.
 Prem Nath Kashyap, M.C., III.
 *Nisar Ahmad Khan, M.C., III.
 *Mian Bashir Ahmad Ahmadi, M.C., III.
 *Naranjan Singh, M.C., III.
 Sapuran Lal Chopra, M.C., III.
 Iftikhar Husain Hyder, M.C., III.
 Bhagat Singh Januha, M.C., III.
 Bansi Ram Aggarwal, M.C., III.
 Gian Chand Bahl, M.C., III.
 *Jai Kishen Khosla, M.C., III.
 *Ram Naranjan Khosla, M.C., III.
 Roshan Lal Gupta, M.C., III.
 *Sawan Singh, M.C., III.
 Mian Hisam-ud-Din, M.C., III.
 *Nazir Ahmad Nazim, M.C., III.
 *Lal Chand Passey, M.C., III.
 Gurdial Singh Bhatti, M.C., III.
 Jagir Singh Minhas, M.C., III.
 Indar Singh, M.C., III.
 Jai Pal Bahadur Hoon, M.C., III.
 Din Dayal Vaish, M.C., III.
 Ganpat Rai Narula, M.C., III.
 *Data Kishen Chopra, M.C., III.
 *Jogendra Singh Gouddeaux, M.C., III.
 *Chanan Singh Gill, M.C., III.
 Kaur Chand Aggarwal, M.C., III.
 *Baldev Singh Jawanda, M.C., III.
 Kartar Singh Gyani, M.C., III.
 Dhani Ram, M.C., III.

1929

- *Raghu Nath Pershad Tagah, M.C., III.
 Dharam Paul Rawley, M.C., III.
 Prem Parshad Syal, M.C., III.
 Syed Mahmood, M.C., III.
 *Bant Singh Thandi, M.C., III.
 *Sayed Habib-ul-Hassan, M.C., III.
 *Sodagar Singh Gill, M.C., III.
 *Ram Lall Jain, M.C., III.
 Salah-ud-Din Ahmad, M.C., III.

List of persons who have passed the Honours Examination in B.A.

1929

- Harbans Lal Wadera, G.C., English.
 Shushila Mitter, L.W.C., English.
 Abdulla Khalid, G.C., English.
 Som Nath, G.C., English.
 Radha Krishna Sud, D.S.C., English.
 Daulat Ram Kaifi, D.A.-V.C., English.
 R. K. Dutt, G.C., English.
 Raghbar Dayal Kapur, M.C., English.
 Nand Kishore Shrivastava, D.A.-V.C., English.
 Baljit Singh Khosla, D.A.-V.C., English.
 Hardev Bahri, D.A.-V.C., English.
 Jatinder Singh, K.C., English.
 Jai Chand Ragtah, E.C., English.
 Surat Singh Aulakh, D.S.C., English.

1929

- A. R. Malhotra, G.M.C., English.
 Sayyad Mohd. Sarwarshah, G.C., English.
 Muhammad Arshad Husain, G.C., English.
 Rajinder Singh, G.C., English.
 A. N. Mitter, G.C., English.
 Muni Lall Kapur, G.C., English.
 Wattan Singh Chohan, K.C., English.
 Kumar Krishna Mitra, G.C., Math. (A).
 Kailash Chandra Deveshera, G.C., Math. (A).
 Mohd. Hasan, G.C., Math. (A).
 Bir Singh Mander, K.C., Math. (A).
 Omperkash S. Chawla, F.C.C., Math. (A).
 Rup Lal, G.C., Math. (A).
 Shiv Sharan Sharma, S.D.C., Math. (A).
 Nauhria Ram, D.A.-V.C., Math. (B).
 Nasir-ud-Din, I.C., Math. (B).
 Gian Chand Mitroo, F.C.C., Math. (B).
 Sultan Bakhsh, G.C., Math. (B).
 Sohan Lal Sethi, G.M.C., Math. (B).
 Roshan Lal Kohli, G.M.C., Math. (B).
 Baikunth Nath Bhuchchar, D.A.-V.C., Math. (B).
 Budh Singh, G.M.C., Math. (B).
 Jiwan Datt, G.C., Math. (B).
 Ugra Sen Sagar, D.A.-V.C., Math. (B).
 Mian Mohd. Rafique Hussain, G.C., Persian.

* Not been admitted to the Degree.

1929

Fazl Mohammed Afzal, G.C., Persian.
 Syed Bahaud Din Ahmad Hasni, G.C., Persian.
 Gul Mohd. Khan, G.C., Persian.
 Bashir Ahmad Dar, I.C., Persian.
 Hira Lall Chopra Hafizabadi, S.D.C., Persian.
 Maula Bakhsh Khizar Tamimi, I.C., Persian.
 Bahadur Singh, D.S., Persian.
 Shadi Ram Joshi, D.A.-V.C., Sanskrit.
 Sunder Ram Dhiman, D.A.-V.C., Sanskrit.
 Yash Pall Tandon, D.A.-V.C., Sanskrit.
 Kirti Ram Sharma, S.D.C., Sanskrit.
 Dev Raj Oberai, D.A.-V.C., Sanskrit.
 Abdur Rahim Khawja, G.C., Arabic.
 Sakha Ullah, I.C., Arabic.
 Chaudhri Mohd. Husain Ahsan, I.C., Arabic.
 Mohammad Akar Khan, G.C., Arabic.
 Abdul Aziz, I.C., Arabic.
 Lakshpat Rai Sethi, G.C., History.
 Bool Chand, G.C., History.
 Jagmandra Dass Jain, F.C.C., History.
 Parkash Chand Chopra, G.C., History.
 Raghubir Swarup Bhatnagar, D.A.-V.C., History.
 Gurdial Singh, G.C., History.
 S. Sen, F.C.C., History.

1929

Kali Sharan Sharma, G.C., History.
 Abdul Hamid, F.C.C., History.
 Bhagat Singh Chawla, G.C., History.
 Karta Ram Dutt, M.C., Economics.
 Chaudhri Harkishan Lal Vainik, D.A.-V.C., Economics.
 Pran Nath Randev, D.A.-V.C., Economics.
 Jetendra Narain Mohindroo, M.C., Economics.
 Murari Lal Chawla, G.C., Economics.
 Mohd. Abdus Samad Khan, Guhilot, M.C., Economics.
 Bakshi Madan Singh Sagon, D.S.C., Economics.
 Kapur Singh, G.C., Philosophy.
 Ras Mâsaud Janjua, Mry.C., Philosophy.
 Shyam Swaroop Jalota, F.C.C., Psychology.
 Vidya Sagar Bhatia, G.C., Psychology.
 Mohd. Hamid-ud-Din, G.C., Psychology.
 Hans Raj Luthra, G.C., Physics. [Physics.
 Santokh Singh Gujral, G.C., Physics.
 Abdul Basir Pal, G.C., Physics.
 Abdul Rashid, I.C., Physics.
 Iqbal Chand Bahree, G.C., Physics.
 Vidya Bhushan Anand, G.C., Physics.
 Faqir Chand Chopra, G.C., Physics.
 Roshan Lall Saihgal, D.A.-V.C., Physics.

BACHELOR OF ARTS (SUPPLEMENTARY).

1928

Gokal Chand Agarwal, F.C.C.,
I.
Dev Raj Rajput, Hoshiarpur,
II.
Malik Abdul Hamid Khan,
F.C.C., II.
Bihari Lall Chopra, F.C.C., II.
Bhagat Singh Thandi, F.C.C.,
II.
Sain Das Jerath, F.C.C., II.
Khair Mohammad Taib,
G.C., II.
Charagh Hassan, Lyallpur, II.
Mohd. Abdur Rahim, Feroze-
pore, II.
Chanan Ram Bataoh, F.C.C.,
II.
Khan Abdul Hamid Khan,
Lahore, II.
Yog Dhian Aggarwal, Karnal,
II.
*I. D. Naicre, Lahore, II.
*Abdul Aziz Sheifta, F.C.C.,
II.
Malawa Ram Suri, Amritsar,
II.
*Ranbir Singh Mohan, D.S.C.,
II.
Jagan Nath, D.S.C., II.
*Arjan Singh, Hoshiarpur, II.
Mirza Mohd. Ali Beg, Rawal-
pindi, II.
Ram Kal Khanna, K.C., II.
Behari Lall Kapur, G.C., II.
*Nand Singh, Lahore, II.
*Sh. Mohammad Shafi, Mry.C.,
II.
Dharam Paul Vohra, S.P.C.,
II.
Des Raj Jain, F.C.C., II.
Amolak Raj Malhotra, Lahore,
II.
*Paras Ram Puri, P.W.C., II.

1928

Chaudhri Abdul Hamid, Guj-
ranwala, II.
*Fazal Din, Lahore, II.
Harnam Singh Lyallpuri,
K.C., II.
*Mansukh Ram, Mandi, II.
Prakash Kumar Shastri, G.C.,
II.
*Mohd. Ashraf, D.S.C., II.
*Manzur Husain, F.C.C., II.
Bakhtawar Singh, D.S.C., II.
Sh. Mohammad Sharif Kahrori,
Multan, II.
Siri Ram Dhawan, Montgo-
mery, II.
Lila Kishan, Multan, II.
Radha Kishan, Lahore, II.

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*Gurcharan Dass Ohri, G.C.,
II.
Behari Lal, G.C., II.
Dhalu Ram, Multan, II.
Harbans Rai Parti, Multan, II.
Swarn Lal Marwah, F.C.C.,
II.
Rangi Ram Mehta, Lahore, II.
Bhag Singh, Shahpur, II.
Ishwar Chandra Rajpal,
Lahore, II.
Ujagar Singh, G.C., II.
Ved Pal Suri, F.C.C., II.
*Basker Nath Dhar, S.P.C., II.
Ranjba Khan, Mianwali, II.
Ch. Jamal Din Khan, Mian-
wali, II.
Mian Mohd. Abdullah, F.C.C.,
II.
*Tara Chand Kachroo, S.P.C.,
II.
Suram Singh, Lahore, II.
Abdul Rahman, F.C.C., III.
*Ramdas Ubhot, Jammu, III.

* Not been admitted to the Degree.

1929	1929
Saraswati Shankar Dass, Lahore, III.	Puran Singh, G.C., III.
Som Nath Kapil, Lahore, III.	Som Nath Passi, G.C., III.
Hari Ram Aggarwal, Lahore, III.	Ajit Singh Sodhi, G.C., III.
Ascharaj Lall Gurwara, F.C.C., Ch. Mohammad Abdul Hafiz, Hoshiarpur, III.	M. Mumtaz, Gurdaspur, III.
	Niranjan Dass Aggarwal, F.C.C., III.
	Balwant Singh Ghuman, Mry.C., III.

FACULTY OF SCIENCE.

DOCTOR OF SCIENCE.

1918

Baini Prashad, M.Sc., Lahore.

1919

Ramji Narain Mehra, M.Sc., Lyallpur.

1920

*K. N. Bahl, M.Sc., Lahore.

1922

Sunder Lall Hora, M.Sc., Calcutta.

1923

B. N. Chopra, M.Sc., Calcutta.

1925

G. S. Cheema, M.Sc., Poona.

1928

*H. L. Chhibber, Rangoon (Burma).

1929

S. L. Bhatia, Lahore.

* Not been admitted to the Degree.

MASTER OF SCIENCE.

1929

Shanti Sronp Kohli, G.C.,
Physics, I.
Girdhari Lal Puri, G.C.,
Physics, I. [II.
Ghulam Rasul, G.C., Physics,
Bhishamji Gulatia, G.C.,
Physics, II.
Ram Sarup Thapar, G.C.,
Physics, II.
Raghubir Singh Bedi, G.C.,
Physics, II.
*J. H. Vatsyayana, G.C.,
Physics, II.

1929

Des Raj, G.C., Physics, III.
Yudhsra Alagh *alias* Santosh
Dass, G.C., Physics, III.
Mulkraj Anand, G.C., Physics,
III.
Notan Das Ailawadi, G.C.,
Physics, III.
Hazara Singh Karir, G.C.,
Chemistry, II.
Vidya Nath Khanna, F.C.C.,
Chemistry, III.
Kunj Lall, F.C.C., Chemistry,
III.

MASTER OF SCIENCE (HONOURS SCHOOL).

1929

Kashmiri Lal Budhiraja, G.C.,
Chemistry, I.
Amar Nath Kapur, G.C.,
Chemistry, I.
Dev Datta Watts, G.C., Chem-
istry, I.
Radha Krishen Zutshi, F.C.C.,
Chemistry, I.
*Bhagirath Lal, F.C.C., Chem-
istry, II.
Ram Sahai Mal Laroia,
F.C.C., Chemistry, II.
Mool Chand Bhatnagar, F.C.C.,
Chemistry, II.
Girdhari Lal Tandon, F.C.C.,
Chemistry, II.
Chandar Bhan, F.C.C., Chem-
istry, II.
*Manohar Lal Bhandari,
F.C.C., Chemistry, II.
Manohar Lal Wadhera, F.C.C.,
Chemistry, II.
Faqir Chand Trahana, F.C.C.,
Chemistry, II.

1929

Ram Saran Das Malhotra,
F.C.C., Chemistry, II.
Gurcharan Singh Auhloowalia,
F.C.C., Chemistry, II.
Rai Tara Kant Lahiri, G.C.,
Chemistry, II.
*Nand Lal Darbari, Lahore,
Chemistry, II.
Hari Dev Mandal, F.C.C.,
Chemistry, III.
Balwant Singh Lalia, F.C.C.,
Chemistry, III.
Amolak Ram Chawla, F.C.C.,
Chemistry, III.
Basant Rattan, G.C., Chem-
istry, III.
Mohd. Azam, I.C., Chemistry,
III.
*Rattan Lal Badhwar, G.C.,
Botany, I.
Ram Saran Chopra, G.C.,
Botany, I.
*Abdul Rashid Akhtar, G.C.,
Botany, I.

* Not been admitted to the Degree.

1929

Gopal Singh, G.C., Botany, II.
 Harbans Lal Goulatia, G.C.,
 Botany, II. [Botany, II.
 Jamiat Rai Jandial, G.C.,
 Sukh Dial Chadha, G.C.,
 Zoology, II.

1929

Krishan Gopal Bhandari, G.C.,
 Zoology, II.
 *Balbir Singh, G.C., Zoology,
 II.
 Nirmal Kumar Gangauli,
 G.C., Zoology.

BACHELOR OF SCIENCE (HONOURS SCHOOL).

1929

Sh. Abdul Ghani Asghar, G.C.,
 Chemistry, I.
 Kishan Parshad Kapur, G.C.,
 Chemistry, II.
 Sodhi Narinjan Das, D.A.-V.C.,
 Chemistry, II.
 M. Abdul Haq, G.C., Chem-
 istry, II.
 Vidya Dhari, D.A.-V.C.,
 Chemistry, III.
 Muneshwar Nath Zutshi,
 F.C.C., Chemistry, III.
 Kashmiri Lal Bhagat, F.C.C.,
 Chemistry, III.
 Jai Kishan, F.C.C., Chemistry,
 III.
 Ishwar Das Khera, F.C.C.,
 Chemistry, III. [III.
 Dara Singh, F.C.C., Chemistry,
 Kartar Singh Narang, G.C.,
 Chemistry, III.
 Sardari Lal Sahdev, F.C.C.,
 Technical Chemistry, I.
 Mukand Lal, F.C.C., Technical
 Chemistry, II.
 Ishwar Chand Badhwar,
 F.C.C., Technical Chemistry,
 II.
 Parkash Chand, F.C.C.,
 Technical Chemistry, III.
 Sh. Nazir Ahmad, F.C.C.,
 Technical Chemistry, III.

1929

Ram Lal Gupta, F.C.C., Tech-
 nical Chemistry, III.
 Amar Singh, D.A.-V.C., Tech-
 nical Chemistry, III.
 Khushi Ram Mehta, D.A.-V.C.,
 Technical Chemistry, III.
 Dharm Pal Bhandari, F.C.C.,
 Botany, I.
 Amar Chand Joshi, F.C.C.,
 Botany, I.
 Mohinder Singh, G.C., Botany,
 I.
 Pran Nath, G.C., Botany,
 II.
 Autar Singh, Kapur, F.C.C.,
 Botany, II.
 Goverdhan Lal Chopra, G.C.,
 Botany, II.
 Rup Chand Sawhney, G.C.,
 Botany, II.
 Bhola Nath, F.C.C., Botany,
 II.
 Bakhshish Singh, G.C., Botany,
 III.
 *Bidhi Chand Anand, G.C.,
 Botany, III.
 *Murari Lal Chopra, F.C.C.,
 Botany, III.
 Dyal Singh Johar, F.C.C.,
 Botany, III.
 Parvez Mohammad Ismail,
 F.C.C., Zoology, I.

* Not been admitted to the Degree.

1929

Des Raj Bhatia, D.A.-V.C.,
Zoology, II.
Madan Lal, G.C., Zoology, II.
Murli Dhar Nangia, G.C.,
Zoology, II.

1929

Wali Mohammad Khan, G.C.,
Zoology, III.
Shanti Prakash Ghai, G.C.,
Zoology, III.
Shadi Lal, G.C., Zoology, III.

BACHELOR OF SCIENCE.

1929

Nand Kishore, Aggarwala,
D.A.-V.C., I.
Dev Raj, Chadda, Lahore, II.
*Hardial Singh, Khorana,
F.C.C., II.
*S. H. Vatsyayana, F.C.C., II.
Ajaib Singh, Gurdaspuri,
K.C., II.
Mohammed Rafi, I.C., II.
Mohindra Singh, Panun,
F.C.C., II.
*Autar Singh, Brar, K.C., II.
Mohammed Mukhtar Sadiq,
K.C., II.
Mohindar Singh, Brar, K.C.,
II.
*Ramesh Chandra, Sharma,
P.W.C., II.
*Dewan Lajpat Rai, Kapur,
G.C., II.
Abnash Singh, Chhatwal,
Lahore, II.
Seh Dev, Bansil, D.A.-V.C.,
II.
S. Khurshaid-ul-Hassan, K.C.,
II.
Abdul Aziz, Malik, F.C.C., II.
Trilok Singh, F.C.C., II.
Bhagwan Singh, F.C.C., II.
Yash Paul, Sethi, (Honours in
Physics), G.C., II.
*Khushal Parshad, Mengi,
P.W.C., II.

1929

*Masud-ul-Hassan, Tam-
manna, P.W.C., II.
Chanchal Dass, D.A.-V.C., II.
*Shankar Dass, D.A.-V.C., II.
Shanti Swarup, Saith, D.A.-
V.C., II.
Ishar Chandra, Sharma,
P.W.C., II.
Manmohan Singh, Montgo-
mery, K.C., II.
Daulat Singh, Sagoo, K.C., II.
Jagdish Sahai, Aggarwal,
D.A.-V.C., II.
Janki Prashad, Raina, D.A.-
V.C., II.
*Krishan Lall, Swanni, D.A.-
V.C., II.
Tirath Singh, Guram, F.C.C.,
II.
Krishen Lal, F.C.C., II.
Brij Bhushan Lal Vanshylla,
F.C.C., II.
Muhammad Anwar Ali, F.C.C.,
II.
*Mohd. Yaqub, I.C., II.
Radha Krishen, Kaul, P.W.C.,
II. [II.
*Ram Narain, Mehra, D.S.C.,
Charanjit Lall, Chawla,
Lahore, II.
Sant Singh, G.M.C., II.
Jai Gopal, Malhotra, Lahore,
II.

* Not been admitted to the Degree.

1929

Bhagwan Singh, Bath, K.C., II.
 *Udham Singh, Randhawa, K.C., II.
 Kahan Chand, Kandhari, D.A.-V.C., II.
 Madan Mohan, Rewari, Lahore, II.
 *Tej Ram, Mahajan, Lahore, II.
 Mohan Lall, Verma, Lahore, II.
 *Niaz Ahmed Khan, K.C., II.
 Nihal Chand, Bhasin, F.C.C., II.
 Lekh Raj, Dhingra, Lahore, II.
 Sheikh Manzur Hussain, I.C., II.
 Sri Ram Gopal, Ferozepore, II.
 H. S. Narain Rao, D.A.-V.C., II.
 Khwaja Abdul Majid, Lahore, II.
 *Mohamad Yusaf, K.C., II.
 Jagan Nath, Prabhakar, K.C., II.
 Amar Singh, Bakshi, P.W.C., II.
 *Dalip Singh, 'Kang', D.S.C., II.
 *Ch. Abdur Rahman, Ranjah, I.C., II.
 Prem Nath, Ganjoo, P.W.C., II.
 Kalyan Singh, K.C., II.
 Bawa Gurbakhsh Singh, D.S.C., II.
 Ata-ur-Rahman, Ahmedi, I.C., II.
 Ram Krishen, Sobti, D.A.-V.C., II.
 *Mohammad Ismail, K.C., III.
 Bechittar Singh, Bains, K.C., III.

1929

Daljit Singh, Sandhu, K.C., III.
 Jagtar Singh, K.C., III.
 Laiq Singh, K.C., III.
 Tarlochan Singh, K.C., III.
 *Uttam Singh, Lamba, K.C., III.
 Hari Dutta, D.A.-V.C., III.
 Takan Lal, Goswami, D.A.-V.C., III.
 Bakhshi Ram, Marwaha, D.A.-V.C., III.
 Shiv Nath, Mohan, D.A.-V.C., III.
 Girdhari Lal, Mehta, D.A.-V.C., III.
 Madan Lal, Chawla, D.A.-V.C., III.
 Jagan Nath, Dhar, D.A.-V.C., III.
 *Dalip Singh, Ahluwalia, D.A.-V.C., III.
 Nanak Singh, Broca, D.S.C., III.
 Mohan Lal, Khosla, D.S.C., III.
 Ram Piyara Lal, F.C.C., III.
 *Jagdish Chander, Khanna, F.C.C., III.
 *Hem Raj, Malick, F.C.C., III.
 *Sher Bahadur, Awan, F.C.C., III.
 N. C. Mehra, F.C.C., III.
 Din Diyal, Khatri, F.C.C., III.
 *Faiz Muhammad Khan, Kamboh, G.C., III.
 *Mian Ghulam Hussain, G.C., III.
 *Rahmat Ullah, Koresby, I.C., III.
 Manzur Ilahi, Hashmi, I.C., III.
 *Habibullah Khan, Siddiqi, I.C., III.
 *Hazrat Ullah, I.C.P., III.
 *Khan Bahadur, I.C.P., III.

*Not been admitted to the Degree,

1929

- *Mian Abdul Wadud, I.C.P.,
III. [III.]
*Niranjan Nath, Koul, P.W.C.,
Des Raj, Katyal, P.W.C., III.
*†Chiragh Hasun, F.C.C.

*List of person who has passed
the Honours Examination in
B.Sc.*

1929

Yash Paul Sethi, G.C., Physics.

BACHELOR OF SCIENCE (SUPPLEMENTARY).

1928

- Chhota Lall Tuteja, F.C.C., II.
Hoya Lal Mehndiratta, G.C.,
II.
Amar Nath, Gujranwala, II.
Prem Nath Bahl, K.C., II.
Gur Dial, K.C., II.
Dina Nath Datta, Lahore, II.
Gurbachan Singh Taunk,
Lahore, II.
*Trilok Nath, Lyallpur, II.
*Radha Krishan, Lahore, II.
*Shambhu Nath Razdan,
P.W.C., II.
Sham Lal Kapur, Lahore, II.
*Syed Mohamed Abbass,
P.W.C., II.
Dilbagh Rai Jalpote, Jul-
lundur, II.
*Gureharn Singh, K.C., II.
*Om Prakash, F.C.C., II.
Ajaib Singh Sibia, G.C., II.
Kashori Lal Beri, Lahore, II.
*Karm Singh Basi, K.C., II.
*Shamboo Nath Wakhloo,
P.W.C., II.
Dev Raj Garg, Hoshiarpur, II.
*Surain Singh Montgomery,
K.C., II. [II.]
*Moti Lal Chaddah, Lahore,
*Dilbagh Singh Minhas,
Lahore, II.

1928

- Madan Lall Sud, Hoshiarpur,
II.
*Mehta Fateh Chand Saggar,
Ludhiana, II.
Bhuani Dass, Dhawan, Lahore,
III.

1929

- Amar Nath Kaura, Kangra, II.
*M. Ali Mohammad, Lahore,
II.
Kanwar Dilbagh Rai Rathour,
F.C.C., II.
Dharam Chand Bhargava,
Lahore, II.
Niaz Qutb Rabhani Khan,
Lahore, II.
Dina Nath Puri, Lahore, II.
Jagjit Singh Ahaloowalia,
K.C., II.
R. D. Sondhi, Lahore, II.
Dharam Kishore Jhingan,
F.C.C., III.
Ram Labhaya Lakhenpal,
K.C., III.
Satya Pal Sehgal, Lahore, III.
Narain Singh, G.C., III.
Wasdev Singh Bebraw, G.C.,
III.
Abdul Hamid, Lahore, III.
*Kidar Nath Gaiind, P.W.C.,
III.

* Not been admitted to the Degree.

† Passed under Regulation 21, Calendar page 300 (*Syndicate Resolution* 26, dated 20th June, 1929).

FACULTY OF AGRICULTURE.

MASTER OF SCIENCE IN AGRICULTURE.

1929

Indar Singh Chima, A.C.,
Botany, II.

1929

Abdul Wahid Khan, Lyallpur,
Zoology and Entomology, II.

BACHELOR OF SCIENCE IN AGRICULTURE.

1929

*Jamaluddin Ahmad, A.C., II.
 Partap Singh Bhullar, A.C., II.
 Ajaib Singh Gulzar, A.C., II.
 *Kartar Singh Labana, A.C.,
 III.
 *Rattan Singh Rai, A.C., III.
 Kishan Singh Bedi, A.C., III.
 Pindi Ram, A.C., III.
 Kundan Singh, A.C., III.
 *Rattan Singh Ahluwalia,
 A.C., III.
 *Altaf Hussain, A.C., III.
 Kartar Singh "Kang", A.C.,
 III.
 Kartar Singh Gill, A.C., III.
 Tirath Singh "Gyani", A.C.,
 III.
 Ilmuddin Avan, A.C., III.
 Sikander Lall, A.C., III.

1929

Arjan Singh Randhawa, A.C.,
 III.
 *Abdul Hamid, A.C., III.
 Amolak Singh, A.C., III.
 Kr. Madhusudan Singh, A.C.,
 III.
 *Rajah Mohd. Ajaib Hussain,
 A.C., III.
 Beant Singh Ghuman, A.C.,
 III.
 Hari Singh Badwal, A.C., III.
 *Mohd. Nawas Khan, A.C.,
 III. [III.
 *Jagat Singh "Garcha", A.C.,
 *Pritam Singh Nagoke, A.C.,
 III. [III.
 Waryam Singh Kalirao, A.C.,
 *Atma Singh, A.C., III.
 *Nazar Singh Gall, A.C., III,

FACULTY OF ARTS.

BACHELOR OF TEACHING EXAMINATION.

1929

Brij Lal Kohli, C.T.C., I.
 Gurecharan Singh, C.T.C., I.
 *Mohd. Abdul Jabbar Ghazi,
 C.T.C., II.

1929

*Khawaja Miraj-ud-Din
 Ahmad, Gurgaon, II.
 Ram Labhaya, C.T.C., II.
 Gian Chand Talib, C.T.C., II.

* Not been admitted to the Degree.

1929

Harvansh Lal, C.T.C., II.
 *Aziz Bakhsh (Chishti), C.T.C., II.
 *Syed Mohammad Nasir, C.T.C., II.
 *Des Raj Laroiya, C.T.C., II.
 *Chain Singh Rajput, C.T.C., II.
 (Mrs.) Jaivanti Nasir, C.T.C., II.
 Kishori Lal Sadanah, C.T.C., II.
 Harkishan Das Bedi, C.T.C., II.
 *Fateh Mohammad, C.T.C., II.
 Roshan Lal Ahuja, C.T.C., II.
 *Muhammad Siddeeqo Faruqi, C.T.C., II.
 Teja Singh Baweja, C.T.C., II.
 Saad-ud-Din, C.T.C., II.
 *Bhagat Swarup Mitra, Rohtak, II.
 *Muhammad Bakhsh Khan Rajput, C.T.C., II.
 Sh. Abdul Karim, Lahore, II.
 Hari Chand Batra, C.T.C., II.
 Des Raj Wadhwa, Ferozepore, II.
 *Harnam Singh, C.T.C., II.
 Hazari Lal Nayar, C.T.C., II.
 Udham Singh Man, C.T.C., II.
 Jagan Nath Aggarwal, C.T.C., II.
 Ganga Dhar Bhatia, C.T.C., II.
 *Rahmat Khan, C.T.C., II.
 *Raghunath Sahai Gupta, C.T.C., II.
 *Calvia Buta Singh, C.T.C., II.
 Sh. Ahsan-ul-Haque, C.T.C., II.
 Ghulam Qadir, Rawalpindi, II.
 Mohammad Motieullah Khan, C.T.C., II.

1929

Munshi Ram (Abrol), C.T.C., II.
 S. M. Mukhtar Ali Jaffri, C.T.C., II.
 Ramji Lal Bhargawa, Delhi, II.
 Mohd. Aslam, Karnal, II.
 Harnam Singh, C.T.C., II.
 Lal Singh Mahajan, C.T.C., II.
 *Nabi Bakhsh Kalasan, C.T.C., III.
 Sayed Tufail Husain Jaffery, C.T.C., III.
 Kotu Ram, Montgomery, III.
 *Ganga Ram, Hoshiarpur, III.
 Sita Ram Ghai, Gujrat, III.
 *Abdul Latif, C.T.C., III.
 S. Sayyed Sultan Husain Shah, C.T.C., III.
 *(Miss) D. E. Philips, C.T.C., III.
 H. R. Kochhar, Kangra, III.
 Fazal Karim, Muzaffargarh, III.
 Lal Singh, Kohat, III.
 *Devaki Nandana Sharma, C.T.C., III.
 *Pir Muhammed Zia, C.T.C., III.
 *Jai Singh Randhawa, C.T.C., III.
 Shori Lal Malhotra, C.T.C., III.
 Iqbal Singh, Hoshiarpur, III.
 Jagjit Singh, Hoshiarpur, III.
 *Mulk Raj Sabikhi, C.T.C., III.
 *Ravi Ram Agarwal, Lahore, III.
 Parkash Dev, Gurdaspur, III.
 Ahmad Khan, Dera Ghazi Khan, III.
 Ran Singh, Dera Ghazi Khan, III.
 Jagan Nath Sahgal, Jullundur, III.

1929

Ahmad Din Butt, Gurdaspur, III.
 Sujan Singh, Rawalpindi, III.
 Shaikh Mohd. Zamir Alam, Montgomery, III.
 *Jagat Singh Sangha, C.T.C., III.
 Ragbir Singh, Tib, Ferozepur, C.T.C., III.
 Taj Mohd. Khan (Mohal), C.T.C., III.
 Sana Ullah, Dera Ismail Khan, III.
 Lakhini Chand Kalra, Gujrat, III.

1929

Amar Nath Sharma, Ludhiana, III.
 Bhagwan Singh, Ludhiana, III.
 Devindar Singh, Hoshiarpur, III.
 *Jamna Das, Hoshiarpur, III.
 Devki Nandan Bajaj, Multan, III.
 Mulk Raj Bery, Gurdaspur, III.
 Shankar Das Chopra, Gujranwala, III.
 *H. E. Christopher Tulsi Das, Dera Ismail Khan, III.

FACULTY OF LAW.

List of persons upon whom Degrees have been conferred under Section 14, Act XIX, 1882.

BACHELOR OF LAW.

1929

*Niaz Mohammad Khan Barakzai, L.C., I.
 *Ch. Aziz Ahmad, L.C., I.
 Gian Chander Nayar, L.C., I.
 Shanti Lal Ahuja, L.C., I.
 *Awtar Singh Sargodhia, L.C., I.
 *Sada Ram Chaudhri, L.C., I.
 *Padri Parshad Puri, L.C., I.
 Gurbakhsh Singh, L.C., I.
 Bhagat Singh Bubrai, Gujrat, I.
 *Faqir Chand Nauharua, L.C., I.
 *Lakhmi Chand Gujral, L.C., I.
 *Arjan Das Gulati, L.C., I.
 *Prabh Dyal Aggarwal, L.C., I.

1929

*Lahori Ram Aggarwal, L.C., I.
 *Moti Lal Goel, L.C., I.
 Munshi Ram Chikersal, L.C., I.
 Burkat Ram Prabhakar, L.C., I.
 Jangi Lal Jain, L.C., I.
 *Phaggu Ram Aggarwal, L.C., I.
 Lachhman Dass Tanija, L.C., I.
 Ram Lal Aggarwal, L.C., I.
 *Gola Ram Sachdev, L.C., I.
 Har Kishan Lal Narang, L.C., I.
 Roshan Lal Loomba, L.C., I.
 *Jyoti Prasad Aggarwal, L.C., I.

* Not been admitted to the Degree.

1929

Bawa Surindar Singh Bedi, L.C., I.
 Amar Nath Majithia, L.C., I.
 *Bansi Lal Bhirat, L.C., I.
 Devki Nandan Syngal, L.C., I.
 *Surjan Singh Sohi, Lahore, I.
 *Amar Nath Bahri, L.C., I.
 *Birbal Singh Jain, L.C., I.
 Charanjive Lal Sardana, L.C., I.
 Gurbux Singh Chatrath, L.C., I.
 Aslam Mahmood Mir, L.C., I.
 Gurdyal Singh Sidhoo, L.C., I.
 *Chaudhary Harivansh Lal Dudeja, L.C., I.
 *Kesho Das Manuja, L.C., I.
 *Prithi Raj Midha, L.C., I.
 Karam Narain Kapur, L.C., I.
 H. S. Bhandari, L.C., I.
 Raj Indar Singh, L.C., I.
 Ghulam Sabir Quraishi, Lahore, I.
 *Chooni Lal Gupta, Lahore, I.
 *Rama Krishna Aggarwal, L.C., I.
 Ram Prakash Sarin, L.C., I.
 *Gurbachan Singh Rangpuri, L.C., I.
 Bishan Dayal Gupta, L.C., I.
 Avtar Singh Lamba, L.C., I.
 *K. L. Mehra, L.C., I.
 Muhammad Jalal "Mazhar", L.C., I.
 *Rati Ram Aggarwal, Lahore, I.
 Mohammad Husain Qureshi, Cujranwala, I.
 *Hazara Singh Cheema, L.C., I.
 Kundan Lal Chhabra, L.C., I.
 *Aziz Bakhsh Zia, Lahore, I.
 Sushil Kumar Sud, Lahore, I.
 *Chet Singh Dandiwal, L.C., I.

1929

Jiwanda Mal Anand, L.C., I.
 Kesar Singh Batra, L.C., I.
 Mohar Chand Bhatia, L.C., I.
 *Salahuddin Hanif, L.C., I.
 *Chambel Singh Chohan, Lahore, I.
 Sh. Abdul Rashid, L.C., I.
 Chaman Lal Anand, L.C., I.
 Satya Paul Bhardwaj, L.C., I.
 Sadhu Singh Sant, Ambala, I.
 Fateh Chand, L.C., I.
 Dina Nath Kapur, Lahore, I.
 Pandit Kunwar Krishan Muttoo, L.C., I.
 Ram Lobhaya Sharma, L.C., I.
 Mul Raj Grever, L.C., I.
 Ram Prashad Joshi, L.C., I.
 *Frederick Ivan Jacob, Lahore, I. [I.
 Malik Jagdish Rai Batra, L.C., I.
 Ishar Singh Bhatia, L.C., I.
 Diwan Chand Sharma, L.C., I.
 Inder Dev Dua, L.C., I.
 Tara Chand Sud, L.C., I.
 Karama Narayana Sharma Isar, Montgomery, I.
 Hardit Singh, L.C., I.
 Harbhagwan Khungar, L.C., I.
 Mohammed Ayyab Quraishi, L.C., I.
 Devi Dyal, L.C., II.
 Mohd. Sarwar Khan, L.C., II.
 *Jwala Prashad Goela, L.C., II.
 Nand Lal Sharma, L.C., II.
 *Kaku Ram Gupta, Hissar, II.
 Amar Singh Hotiwala, L.C., II.
 H. R. Mehta, L.C., II.
 Narain Das Bagga, L.C., II.
 *Ram Gopal Pahwa, L.C., II.
 *Sushil Kumar Jain, L.C., II.
 *Aman Khan, L.C., II.

1929

- *Jaimal Singh, L.C., II.
- *Shanti Swaroop Kaushik, L.C., II.
- *Shrawan Kumar, L.C., II.
- Duli Chand Gupta, L.C., II.
- Durga Das Jain, L.C., II.
- Dhan Raj Kohly, Lahore, II.
- *Rupinder Singh, L.C., II.
- *Shadi Ram Mehta, L.C., II.
- Amolak Ram Chandhoke, L.C., II.
- *Mohan Lal Gupta, L.C., II.
- *Qazi Mohd. Nizamuddin, L.C., II.
- *Gulab Chand Jain, Karnal, II.
- *Balik Singh Bagga, L.C., II.
- Dharam Pal, L.C., II.
- *Ganga Ram, L.C., II.
- Chhajju Ram Joshi, Lahore, II.
- *Niranjan Singh, Lahore, II.
- Lal Chand Malhotra, L.C., II.
- *Mubarik Ali, L.C., II.
- Harcharan Singh Bhandari, L.C., II.
- Badri Prasad Gupta, Lahore, II.
- Narinder Singh Bedi, Sialkot, II. [II.]
- Romesh Chandra Jain, L.C., II.
- Sardar Khan, L.C., II.
- *Ghulam Sarwar, Lahore, II.
- Harbans Lal Aggarwal, L.C., II.
- *Sardar Ali Khan, L.C., II.
- *M. Altaf Hussain, L.C., II.
- Sh. Iqbal Ahmad, L.C., II.
- *Ram Nath Lagratha, Lahore, II.
- *Jahandad Khan, Shahpur, II.
- Suraj Mal, L.C., II.
- Mohindar Lal, Lahore, II.
- Nanak Singh, L.C., II.
- Madan Mohan Agnihotri, L.C., II.

1929

- Moti Ram, Amritsar, II.
- Harbans Lal Puri, L.C., II.
- *S. Harish Chandra Goyal, L.C., II.
- Jai Singh Oberai, L.C., II.
- *Sita Ram Aggarwal, L.C., II.
- *Chet Ram Mital, L.C., II.
- Indar Singh Malik, L.C., II.
- Ram Parshad Gupta, L.C., II.
- *Tarlok Nath Madan, L.C., II.
- *Om Prakash Dhawan, Lahore, II.
- Pran Nath Mehta, L.C., II.
- Kirpal Singh Mayal, Sialkot, II.
- Madan Gopal Dua, Gujranwala, II.
- Girdhari Lall Mehra, L.C., II.
- Lajpat Rai Jain, L.C., II.
- *Mohd. Abdul Aziz Khan, Ferozepore, II.
- *Bishambar Dass Saini, Lahore, II.
- Bhagat Nanak Chand Sahney, L.C., II.
- *Sita Ram Suri, L.C., II.
- *Saudagor Mal Chowla, L.C., II. [II.]
- *Amar Nath Kapur, Lahore, II.
- Durga Das Aggarwal, Lahore, II. [II.]
- Dwarka Dass Mehra, Lahore, II.
- Nazir Ahmad, L.C., II.
- *Mohd. Akhtar, Ambala, II.
- Mohammad Ayub Khan, Amritsar, II.
- *Hari Chand Bahl, L.C., II.
- Hirdey Narayan Nigam, L.C., II.
- *Ram Saran Sharma, L.C., II.
- *Chaudhari Tufail Ahmad, L.C., II.
- *Sayed Sardar Mohammad Hasani, L.C., II.
- Pran Nath Datta, Lahore, II.

* Not been admitted to the Degree.

1929

Mian Ahmad Din, L.C., II.
 Pandit Vishnu Datta Harnal,
 L.C., II.
 C. L. Sury, Lahore, II.
 *A. R. Niazi, L.C., II.
 Karam Chand Gulati, L.C., II.
 Mehta Jai Jagdish Parkash,
 Lahore, II.
 *Hari Ram, L.C., II.
 Dewki Nandan, Lahore, II.
 *Mohd. Zaman Khan Ismailzai,
 Lahore, II.
 Sundar Singh Nayar, L.C., II.
 Mitra Sen, Lahore, II.

1929

Narindar Nath Chopra, L.C.,
 II.
 *Tej Ram Basnotra, L.C., II.
 *Sulakshan Lal, L.C., II.
 *Daya Krishan Bhatnagar,
 Hissar, II.
 Gurbachan Singh Khangura,
 Lahore, II.
 Harish Chandra Varma, Lyall-
 pur, II.
 *Janki Nath Dassi, L.C., II.
 Ram Saran Luthra, L.C., II.
 *Har Diyal Bahl, L.C., II.
 Jagan Nath Sethi, Lahore, II.

BACHELOR OF LAW (SUPPLEMENTARY).

1928

Baij Nath Parshad Sahgal,
 L.C., I.
 Sham Sunder Lal, Karnal, I.
 *Abdus Samad, L.C., I.
 Mool Raj Khanijan, L.C., I.
 Sansar Chand Sud, L.C., I.
 *Chaman Lal Khanna, L.C., I.
 Jaggan Nath Bhutani, L.C., I.
 Mohan Lal Manchanda, L.C.,
 I.
 *Badri Prasad Golyan, L.C.,
 I.
 Prabhu Dayal Sharma, L.C.,
 I.
 *Harbhagat Singh Aujla,
 Lahore, I.
 *Janak Singh, L.C., I.
 Rameshwar Dial, L.C., I.
 *Nur Alam, L.C., I.
 Sarmukh Singh Kapur, Lahore,
 I.
 *Abdul Qayyum, L.C., I.
 *Sham Singh, Lahore, I.
 *Arjan Dass Gulati, L.C., I.

1928

*Amar Nath Chawala, L.C., I.
 Visheshwar Nath Sawhney,
 Lahore, I.
 *Muhammad Sadiq, L.C., I.
 *Sadiq Hussain, L.C., I.
 *Abdul Majid, L.C., I.
 Narain Dass Bery, L.C., I.
 *Chuni Lal Vaid, L.C., I.
 Sh. Siraj-ud-Din Ahmad,
 L.C., I.
 *Parkash Chand, Ferozepore,
 I.
 *Harbans Lal Kapoor, L.C., I.
 *Gopal Das Wadhwa, L.C., II.
 Muhammad Hassan Rathore,
 L.C., II.
 Prem Nath Mahajan, Lahore,
 II.
 Ahmad Din, Lahore, II.
 *Qazi Abdur Rahman, Rawal-
 pindi, II.
 Gursharn Singh Bedi, L.C.,
 II.
 Gurbax Singh, L.C., II.

* Not been admitted to the Degree.

1928

- *Tek Chand Bagai, Multan, II.
 *Durga Dass Chopra, L.C., II.
 Muhd. Abdur Rahim Saddiqi,
 Lahore, II.
 *Anrudh Chand, L.C., II.
 Bhashma Sardana, L.C., II.
 *Thakar Das Sharma, L.C., II.
 Muhammad Sald Khan
 Kavish, Lahore, II.
 *Atta Ullah Ahmadi, L.C., II.
 *Manohar Singh (Mardan),
 Lahore, II.
 *Mukand Lal Sapra, L.C., II.
 Mohd. Fazal Ahmad Aziz, L.C.,
 II.
 Suraj Kishan, Lahore, II.
 *Ram Rakha Mal Malhotra,
 L.C., II.
 *Jaswant Rai Kochhar, L.C.,
 II.
 *Murli Manohar Rao, L.C., II.
 *Durga Das Kapila, L.C., II.
 *Shabir Ahmad, L.C., II.
 Mohan Sundar Dass, Lahore,
 II.

1929

- *Harbans Singh Jallewali,
 L.C., I.
 Sajan Singh Rubi, L.C., I.
 Balwant Singh, Lahore, I.
 Purn Singh, L.C., I.
 Harnam Singh Mongia, L.C.,
 I.

1929

- Ch. Mohd. Akram, L.C., I.
 Parma Nand Sharma, L.C., II.
 Ratan Lal Chowla, Lahore, II.
 Indar Sen, L.C., II.
 Mohammad Akbar, L.C., II.
 Madhu Sudan Lall, L.C., II.
 *Mohammad Allam Khan,
 L.C., II.
 Prabh Dyal Quango, L.C., II.
 Jai Parkash Malhotra, L.C.,
 II.
 *Balwant Singh Malik, L.C.,
 II.
 *Mohammad Umar Khan,
 L.C., II.
 Ch. Indar Lal Manchanda,
 L.C., II.
 Kundan Lall Chaudhry,
 Hissar, II.
 Mohan Singh Batra, L.C., II.
 *Iqbal Chand Bhandari, L.C.,
 II.
 Iqbal Singh, L.C., II.
 Fida Mohd. Khan, L.C., II.
 Gian Chand Rampal, L.C., II.
 Jai Gopal Anand, L.C., II.
 Raghbir Singh Mayall, Amrit-
 sar, II.
 Jamal-ud-Din, L.C., II.
 *Raj Bahadar Atal, Pandit,
 L.C., II.
 Hari Singh Bajaj, Lahore, II.
 Randhir Singh Basi, L.C., II.

*List of persons upon whom Diplomas have been conferred under
 Section 14, Act XIX, 1882.*

LICENTIATES IN LAW.

Nil since 1908.

*Not been admitted to the Degree.

FACULTY OF MEDICINE.

*List of persons upon whom Degrees have been conferred under
Section 14, Act XIX, 1882.*

DOCTOR OF MEDICINE.

1913

N. B. Kharc, B.A., M.B.—Ordinary.

1918

Jiwan Lal, M.B.B.S.—With distinction.

1920

Yar Mohd. Khan, M.B.B.S.—With distinction.
Het Ram Aggarwal, M.B.B.S.—Ordinary.

1921

Regbeer Singh, M.B.B.S.—With distinction.
Mohammad Yusuf, M.B.B.S.—Ordinary.

1923

Dwarka Nath Kumar, M.B.B.S.—Ordinary.

1925

Madan Lal Rikhye, M.B.B.S.—Ordinary.
Jamiat Singh, M.B.B.S.—Ordinary.

MASTER OF SURGERY.

1915

Ganesh Das Kapur, M.B.B.S.—Ordinary.

1923

*Roshan Lal Khera, M.B.B.S.—Ordinary.

* Not been admitted to the Degree.

SPECIAL FINAL PROFESSIONAL EXAMINATIONS FOR M.B.B.S.

1918

Jiwan Lal.

1921

*Narbada Prasad, L.M.S.
 Treelok Chandar Nanda, L.M.S.
 S. C. Roy, L.M.S.

BACHELORS IN MEDICINE AND BACHELORS IN SURGERY.

April, 1929.

1929

Hans Raj, K.E.M.C.
 Abdul Majid, K.E.M.C.
 Mohammad Jamal Bhutta,
 K.E.M.C.
 *Khushwant Lal Wig,
 K.E.M.C.
 *Muriel Robinson, L.H.M.C.
 *Rup Lal Soni, K.E.M.C.
 Ram Kishan, K.E.M.C.
 *Abdul Aziz Chaudhri,
 K.E.M.C.
 Ram Gopal Jindal, K.E.M.C.
 Charan Das Pasi, K.E.M.C.
 Mohammad Asdul Qavi,
 K.E.M.C.
 Narindra Prasad Jain,
 K.E.M.C.
 *Behari Lal Malhotra,
 K.E.M.C.
 Ram Dyal Satyadhari,
 K.E.M.C.
 Mohamed Aslam, K.E.M.C.
 Khairunnisa Begum, L.H.M.C.
 Kidar Nath Bali, K.E.M.C.
 Fazal Hussain Siddiqi,
 K.E.M.C.
 Kaushalya Devi, L.H.M.C.

1929

Jaishi Ram Sud, K.E.M.C.
 Gulzari Lal Jally, K.E.M.C.
 Prithvi Raj Bali, K.E.M.C.
 Sant Ram Bansal, K.E.M.C.
 *Irshad Ali Sahibzada,
 K.E.M.C.
 Kishan Singh, K.E.M.C.
 Charat Singh, K.E.M.C.
 *Mohd. Kamil Shah, K.E.M.C.
 Mohammad Iqbal Khokher,
 K.E.M.C.
 Narain Das Puri, K.E.M.C.
 Chiranji Lal Sud, K.E.M.C.
 Mohd. Maqbul, K.E.M.C.
 Muhammad Shah, K.E.M.C.
 *Mohar Singh Banochi,
 K.E.M.C.
 Sh. Abdul Ghafur, K.E.M.C.
 *Partap Singh Ambalvi,
 K.E.M.C.
 Hannah E. Reid, L.H.M.C.
 Taj Mahal Begum, L.H.M.C.
 Sardari Lall Uppal, K.E.M.C.
 *Fazl-i-Haque, K.E.M.C.
 Mirza Ghulam Rasul, K.E.M.C.
 *Sita Ram Kaura, K.E.M.C.
 Lily A. Monteiro, L.H.M.C.

* Not been admitted to the Degree.

October, 1929.

1929	1929
*Partap Singh Bassalvi, K.E.M.C.	Ram Nath Khanna, K.E.M.C.
Bhagat Singh Alag, K.E.M.C.	Ram Singh Sekhon, K.E.M.C.
Bihari Lal Mahajan, K.E.M.C.	Hari Chand Sharma, K.E.M.C.
Des Raj, K.E.M.C.	Hans Raj Kohli, K.E.M.C.
Mohd. Yusaf Mahjn, K.E.M.C.	Kirpal Singh Sodhi, K.E.M.C.
Bodh Raj Nanda, K.E.M.C.	Mohaminad Akram, K.E.M.C.
Sant Ram, K.E.M.C.	Shuja Ullah, K.E.M.C.
Nasmi Reuben, L.H.M.C.	Keshab Chandar Kumar, K.E.M.C.
Prince Mohan Kaul, K.E.M.C.	Mohd. Abdul Majid Chau- dhury, K.E.M.C.
Mukand Lal Sud, K.E.M.C.	Rattan Singh Bhalla, K.E.M.C.
Jagdish Singh, K.E.M.C.	Mohd. Muzaffar-ud-Din Chughtai, K.E.M.C.
Kundan Lal Wadehra, K.E.M.C. [K.E.M.C.	Bakhtawar Singh, K.E.M.C.
Shekh Fazalur Rahman,	Babu Ram, K.E.M.C.
Hari Narain Sahgal, K.E.M.C.	Jagan Nath Gandhi, K.E.M.C.
Ram Partap, K.E.M.C.	Baxi Atma Singh, K.E.M.C.
Khushdil Khan Jaswal, K.E.M.C.	Niaz-ud-Din, K.E.M.C.
Abdullah, K.E.M.C.	Nazir Ahmad, K.E.M.C.
*Shankar Nath Ganjoo, K.E.M.C.	Syed Muhaminad Sharif, K.E.M.C.
Imad-ud-Din, K.E.M.C.	Udham Singh Malik, K.E.M.C.
Jagdev Singh, K.E.M.C.	K. Narulker, L.H.M.C.
P. L. Khosla, K.E.M.C.	Bhagat Singh, K.E.M.C.
Des Raj Sharma, K.E.M.C.	Sant Ram Kakria, K.E.M.C.
Madan Gopal Mathur, K.E.M.C.	

*List of persons upon whom Diplomas have been conferred under
Section 14, Act XIX, 1882.*

LICENTIATE IN MEDICINE.

† Nil since 1918.

* Not been admitted to the Degree.

† For Diplomas conferred up to 1917, please refer to Panjab
University Calendar, Part II (1921-22).

FACULTY OF ORIENTAL LEARNING.

*List of persons upon whom Diplomas have been conferred under
Section 14, Act XIX, 1882.*

HONOURS IN SANSKRIT (Shastri), 1929.

1929

Indra Gujranwala, I.
Ayodhya Prasad Sharma, R.C.,
II.
Mohan Datt Sharma Panta,
S.D.C., II.
Guru Das, S.D.C., II.
Harish Chandar Nistandra,
S.D.C., II.
Kumari Chandar Vati, Multan,
II.
Yagya Datt Sarma, O.C., II.
Gokal Chandra Arya, S.D.C.,
II.
Shrut Bandhu Sharma,
Lahore, II.
Sushila Devi, Jullundur, II.
Hari Krishan Joshi, O.C., II.
Shekhra Nand Dhobal, S.D.C.,
II.
Hari Shankar Sharma, Jhelum,
III.
Sadhu Ram, Jhelum, III.
Keshav Dass Sharma, S.D.C.,
III.
Madan Lal Sharma, Gujrat,
III.
Bhupal Singh, O.C., III.
Dharm Dev Sharma, Amritsar,
III.
Vachaspati Sharma Pant,
S.D.C., III.
Data Ram Sharma, R.C., III.
Datta Traya Tanbe, O.C., III.
Anant Ram Sahajpal, O.C., III.
Dev Raj Sharma, S.D. Sans-
krit Pathshala, Multan, III.
Tapasvindar Mahanubhav,
Hazara, III.
Ishwar Chandar Sharma,
Hissar, III.
Mahindar Nath Patel, O.C., III.

1929

Lakshman Sharma, S.D., Sans-
krit Pathshala, Multan, III.
Shiv Narayan Sharma, S.D.
Sanskrit Pathshala, Multan,
III.
Lakshmi Narayan Sharma
Kashthpal, D.G. Khan, III.
Balwant Ram Sharma, R.B.
Gagar Mal's Sanskrit Path-
shala, Amritsar, III.
Radha Krishan Sharma Tri-
pathi, Lahore, III.
Manu Dev Sharma, R.B.
Gagar Mal's Sanskrit Path-
shala, Amritsar, III.
Hari Prasad Sharma, S.D.
Sanskrit Pathshala, Multan,
III.
Vimal Dev Vrat, Amritsar,
III.
Neki Ram Sharma, O.C., III.
Lakshman Datt Varma, O.C.,
III.
Hans Raj Sharma Nilohiya,
Lahore, III.
Jagan Nath Gupta, Lahore, III.
Hari Bhanu Datt Sharma,
Amritsar, III.
Hari Sharma Sharad, O.C.,
III.
Ram Swarup Sharma, Lahore,
III.
Moti Ram Sharma, Gujrat, III.
Chandar Mani Sharma, Rawal-
pindi, III.
Jagan Nath Sharma Vasisht,
R. B. Gagar Mal's Sanskrit
Pathshala, Amritsar, III.
Mathara Das Sharma Agni-
hotri, O.C., III.
Mul Raj Sharma, Amritsar, III.

1929

- Jyeshtha Nand Sharma, S.D.
Sanskrit Pathshala, Multan,
III.
- Bhagwat Sahai Sharma, S.D.
Pathshala, Jind, III.
- Shiva Nand Sharma Pandey,
O.C., III.
- Braj Lal Sharma, S.D.C., III.
- Bhagat Ram Sharma, Lahore,
III.
- Maya Dhari Sharma, Kapur-
thala, III.
- Mukand Nath Yogi, O.C., III.
- Lakshmi Chandar Sharma,
Rawalpindi, III. [III.
- Jai Dev Mishr, Rawalpindi,
Hans Raj Sharma Bhardwaj,
R.B. Gagar Mal's Sanskrit
Pathshala, Amritsar, III.
- Krishan Dutt Sharma, Lahore,
III.
- Chuni Lal Sharma 'Sudan',
Rawalpindi, III.
- Dhani Ram Sharma Bhardwaj,
Kapurthala, III.
- Narain Singh Gyani, Simla,
III.
- Raj Narain Bhatnagar, Kapur-
thala, III.
- Kishore Chandar Sharma,
Ludhiana, III.
- Khushi Ram Sharma, O.C., III.
- Raghu Nath Zadoo, Kashmir,
III.
- Sukh Dev Varma, R.B. Gagar
Mal's Sanskrit Pathshala,
Amritsar, III.
- Mansa Datt, Lahore, III.
- Shri Ram Sharma, O.C., III.
- Vishnu Datt Sharma (Kaul),
O.C., III.
- Haridwari Lal Sharma Shukl,
Ludhiana, III.
- Lakshmi Kant Sharma
Bhardwaj, R. B. Gagar Mal's
Sanskrit Pathshala, Amrit-
sar, III.

1929

- Devi Dayalu Varma, S.D.
Sanskrit Pathshala, Multan,
III.
- Chander Shekhar Sharma
(Shridar), O.C., III.
- Urvi Datt Sharma, S.D.C., III.
- Tara Chandar Sharma, Bannu,
III.
- Ishwar Datt Verma, Rawal-
pindi, III.
- Devi Datt Sharma, Lahore, III.
- Ganpati Sharma, Hissar, III.
- Ram Chandar Sharma, Amrit-
sar, III.
- Brij Mohan Lal Ratnakar *alias*
Mohan Lal Sharma, O.C.,
III.
- Bajju Ram Sharma, Hissar,
III. [III.
- Munshi Ram Sharma, O.C.,
Narayan Sharma, O.C., III.
- Hari Datt Sharma Pandey,
Lahore, III.
- Bhushan Chhote Lal Sharma,
Amritsar, III.
- Gauri Shankar Sharma,
Lahore, III.
- Nitya Nand Sharma, Amritsar,
III. [III.
- Ramji Datt Sharma, Jammu,
Chuni Lal Sharma, S.D.C., III.
- Shuk Dev Sharma, Jullundur,
III.
- Atma Ram Verma, Amritsar,
III.
- Kundan Lal Sharma,
Ludhiana, III.
- Nilambar Datt Sharma, R.B.
Gagar Mal's Sanskrit Path-
shala, Amritsar, III.
- Shambhoo Prasad Nauthani,
O.C., III.
- Hem. Raj Sharma, Amritsar,
III. [III.
- Anant Ram Sharma, S.D.C.,
Murli Manohar Mahanubhav,
Hazara, III.

1929

Sita Ram Sharma, Sanskrit
Pathshala, Hoshiarpur, III.
Shankar Sharma, S.D.C., III.
Brahm Datt Sharma, Jammu,
III.

1929

Durga Datt Sharma (Pal),
Lahore, III.
Jagan Nath Sharma, D.I.
Khan, III.
Rati Ram Sharma, Lahore, III.

HONOURS IN ARABIC (Maulvi Fazil), 1929.

1929

Ghulam Mustafa, O.C., II.
Syed Nabil Hasan Sajid,
Lahore, II.
Mirza Nasir Ahmad, Gurdas-
pur, II.
Mohd. Abdul Salam Zia, O.C.,
II.
Mohammad Yusuf Ludhianwi,
Ludhiana, III.
Hafiz Abdul Sitar, O.C., III.
Zafar Mohammad, Gurdaspur,
III.
Abu Bakar Ayub, Gurdaspur,
III.
Muhammad Alim, O.C., III.
Syed Masuf Ali Shah Ham-
dani, O.C., III.
Ghulam Nabi, O.C., III.
Mahbubur Rahman, Lahore,
III.
Abdul Aziz, Amritsar, III.
Mohammad Anwarul Hassan
Qureshi, Lahore, III.
Mohammad Abdul Hai, La-
hore, III.
Abdul Karim Khan, Gurdas-
pur, III.

1929

Zia Ullah Khan, O.C., III.
Sheryazdan Sher Mohammad
Khan Muzaffargarhi, La-
hore, III.
Ghulam Ahmad Khan Baha-
walpuri, Lahore, III.
Ghulam Nabi, Multan, III.
Mohammad Ibrahim, Gurdas-
pur, III.
Mohammad Ismail, Gujrat, III.
Mohammad Ata Ullah Khan,
O.C., III.
Mohammad Abdullah Khan,
Gurdaspur, III.
Mohammad Yaqub, Gurdas-
pur, III.
Syed Abdul Baqa Shata,
Lahore, III. [III.
Mohammad Umar, Gurdaspur,
Rahmat Ullah, Gurdaspur, III.
Fateh Mohammad, Amritsar,
III.
Abdul Wahid, Lahore, III.
Mohammad Hussain, Gurdas-
pur, III.
Hafiz Mohammad Arfanul
Haq, Rohtak, III.

HONOURS IN PERSIAN (Munshi Fazil), 1929.

1929

Syed Bahawal Shah Ahmadi,
Amritsar, II.

1929

Lok Chand Shahmir, O.C., II.
Badar-ud-Din, Lahore, II.

1929

Syed Qamar-ul-Hassan, Lahore, II.
 Syed Abdul Jalil, Lahore, II.
 Mirza Mohammad Said, O.C., II.
 Sh. Abdul Rahman, Multan, III.
 Sheikh Abdul Rahman, Multan, III.
 Hafiz Abdul Haq Natiq, O.C., III.
 Abdul Ghani, Gujrat, III.
 Qazi Syed Mohammad Nasir, O.C., III.
 Jamil Ahmad Ansari, Lahore, III.
 Khawaja Abdul Ghani, Kashmir, III.
 Hamiat Hussain, Lahore, III.
 Mohammad Yaqub Khan, Lahore, III.
 Mohammad Obaidullah, Lahore, III.
 Mohammad Siddiq Akbar, Shahpur, III.
 Obaid Ullah, Karnal, III.
 Shah Din, Lahore, III.
 Ayub Hussan, Ambala, III.
 Ahmad Ali, Simla, III.
 Siraj-ud-Din Joya, Sheikhpura, III.
 Nazir Ahmad, Simla, III.
 Abdul Hamid, Lahore, III.
 Hamid Mian Ansari, Lahore, III. [III.
 Qazi Abdul Rahman, Amritsar, III.
 Shah Mohammad, Lahore, III.
 Syed Abu Mohammad Nadwi Shudani, O.C., III.
 Nazir-ud-Din, Gurdaspur, III.
 Maqbool Ahmad Khan Salim, Gurdaspur, III.
 Chhajju Ram, Lahore, III.
 Ahmad Din, Lahore, III.
 Mohammad Akbar Ali, Lahore, III.
 Mohammad Fazil, O.C., III.

1929

Syed Muti-ul-Hassan, O.C., III.
 Syed Abad Hassan, Lahore, III.
 Syed Mohammad Mushtaq *alias* Syed Hafiz Mushtaq Ahmad, Lahore, III.
 Abdul Wadood, O.C., III.
 Ghulam Ghous, Gujranwala, III.
 Malik Sultan Ahmad, Multan, III.
 Hafiz Mohammad Ahmad Azizi, Lahore, III.
 Walait Shah, Shahpur, III.
 Syed Sakandar Hussain, Lahore, III.
 Hafiz Sultan, Mahmood Mianwali, III.
 Syed Zia-ul-Islam Naziri Shadani, O.C., III.
 Syed Sarwar Hussain Hassani, Simla, III.
 Mohammad Ghayur, Simla, III.
 Syed Afzal Ali Naqwi, Lahore, III.
 Ghulam Hussain Rathore, Lahore, III.
 Abdul Ghaffur Hussain, Gujranwala, III.
 Ghulam Jilani, Quetta, III.
 Mohammad Qamar-ud-Din, Lyallpur, III.
 Ganga Dhar Bhardwaj, Karnal, III.
 Fazal Karim, Sialkot, III.
 Sardar Khan, Shahpur, III.
 Mohammad Hadi Hassan Akif, Lahore, III.
 Syed Mohammad Ashraf Shah, Sialkot, III.
 Dewat Ram, Gujrat, III.
 Sayed Fazal Hussain Shah, Jhelum, III.
 Syed Ghulam Abas Shah, Mianwali, III.

1929

Chaudhri Mohammad Shafi,
Lahore, III.
Mohammad Rafiq, Lahore, III.
Chaudhri Ghulam Rasul,
Gujrat, III.
Mohammad Shah Beg, Shah-
pur, III.
Abdul Ghafoor But, Simla, III.
Surkhru Khan Awan, Attock,
III.
Hira Singh, Rawalpindi, III.
Zahur Hussain, Gurdaspur,
III.
Ghulam Mustafa Darawi, O.C.,
III.
Pir Mohammad Hassan, Amrit-
sar, III.
Hakim Syed Mohammed
Ishaq, Lahore, III.
Karamat Ullah Khan, Montgo-
mery, III.
Malik Alam Sher Khan, Shah-
pur, III.
Mohammad Shafi, Shahpur,
III.
Sheikh Abdul Samad, Lahore,
III.
Hafiz Mohd. Amir, Bahawal-
pur, III.
Jan Mohammad, Ferozepur,
III.
Syed Abdulla Shah, Sialkot,
III.
Hussan Mohammad, O.C., III.
Ghaus Mohammad Khan,
Hissar, III.
Hakim Khushi Mohammad
Raghib, Jullundur, III.
Haidar Shah, Lahore, III.
Jalal Khan, Gujrat, III.
Inayat Ullah Sandhu, Sheikhu-
pura, III.
Ahmad Hussain Shah Akhtar,
Gujrat, III.

1929

Sardar Ali, Ferozepur, III.
Mohammad Kazim, Lahore,
III.
Zahoor Ahmed, Shahpur, III.
Ghulam Rasool Khan, Muza-
ffargarh, III.
Syed Arshad Hussain Jafri,
Rohtak, III.
Inayat Ali, Lahore, III.
Abdul Haq Shauq, O.C., III.
Hafiz Fazal Karim Gondal,
Shahpur, III.
Sh. Mohammad Syed Habbai,
D.G. Khan, III.
Mohammad Rahmat Ullah
Sufi, Patiala, III.
Abdul Hafiz Khan Lodhi, Jul-
lundur, III. [III.
Nur Husain 'Wafa', Attock,
Mohammad Zafar Ali Khan,
Lahore, III.
Alaf Din, Rawalpindi, III.
Mohammad Abdul Hai,
Rohtak, III.
Rikhi Ram, Ferozepur, III.
Sultan Mohammad Khan,
Lahore, III.
Faqir Syed Riaz Husain,
Lahore, III.
M. Ashraf Ali, Gujrat, III.
Din Mohd., Sheikhpura, III.
Shiv Dayal Farukh, Gujran-
wala, III.
Chaudhri Mohd. Khan, Attock,
III.
Syed Talmeez Hassan Laqa,
Lahore, III.
Fateh Mohammad, Muzaffar-
garh, III.
Abdul Qadir, Ferozepur, III.
Ali Sher, Hoshiarpur, III.
Mohammad Amin Farooqi,
O.C., III.
Halim Gull, Peshawar, III.

1930.

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MASTER OF ORIENTAL LEARNING.

(Under Regulation 12, Calendar Page 157.)

Mohammad Hussain Butt, Ludhiana.

*Brindaban Shastri, Ferozepur.

Dildar Khan, Gurdaspur.

*Pir Mohd. Hassan, Amritsar.

*Ala-ud-Din Siddiqui, Lahore.

*Sufi Abdul Aziz, Gujranwala.

*Sufi Nazar Mohd. Syal, Gujranwala.

*Sher Singh Gyani, Sialkot.

*Abdul Latif Sabri, Sialkot.

*Brahma Dutta Shastri, Ajmer.

Beh Ram Mallick, Hoshnarpur.

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Lok Nath Sachdev, Bannu.

FACULTY OF ARTS.

DOCTOR OF LITERATURE.

1919

Mohd. Sadr-ud-Din, M.A., Lahore.*

1926

B. R. Chatterji, Calcutta.

1928

Hirananda Shastri, Ootacamund.

MASTER OF ARTS.

1930

Niranjan Nath Wanchoo, G.C.,
English, I.*Ram Lal Mehta, G.C., Eng-
lish, I.Mohd. Ikram, G.C., English,
I.Fayyaz Mahmud Gilani, G.C.,
English, II.

1930

Naram Singh, F.C.C., English,
III.Ahmad Din, F.C.C., English,
III.Mohan Singh, Jullundur, Eng-
lish, III.Harbans Singh Gaird, K.C.,
English, III.

* Where simply the name of a district is given the candidate was a Private Student of the district.

1930

- *Imdad Husain, G.C., English, III.
 *Kuljas Rai Jasrai, G.C., English, III.
 Gobind Sahai Waderha, Sialkot, English, III.
 Balwant Singh Ahluwalia, G.C., English, III.
 *Shyam Lal Dar, F.C.C., English, III.
 Mehta Jagjit Singh, K.C., English, III.
 Kashmiri Lal Taxali, G.C., English, III.
 Tirath Singh Munjral, K.C., English, III.
 *Dina Nath Sharma, Sialkot, English, III.
 Indra Krishen, G.C., English, III.
 *Grace E. Browne, F.C.C., English, III.
 Manohar Lal Nanda, G.C., English, III.
 Hans Raj Kumar, G.C., English, III.
 *G. S. Sodhi, G.C., English, III.
 Victor A. Price, F.C.C., English, III.
 Narendra Nath Dar, F.C.C., English, III.
 Abdul Karim, Attock, English, III.
 Jagjit Singh, F.C.C., English, III.
 Raghubir Singh, F.C.C., English, III.
 Moti Ram, G.C., English, III.
 Devi Das Vaid, Lahore, English, III.
 Hari Sharma, G.C., Sanskrit, I.
 Saran Dass B, S.D.C., Sanskrit, I.
 Vipra Bandhu Arya, D.A.-V.C., Sanskrit, II.

1930

- Suchi Vrat Lakhnapal, D.A.-V.C., Sanskrit, II.
 *Ram Lal Sawal, S.D.C., Sanskrit, III.
 Ban Vira Puri, D.A.-V.C., Sanskrit, III.
 Brindaban Shastri, Ferozepur, Sanskrit, III.
 *Govind Razdan, Kashmir, Sanskrit, III.
 Durga Prasad, S.P.C., Sanskrit, III.
 Pir Mohd. Hasan, O.C., Arabic, II. [II.
 Q. Zahir-ud-Din, I.C., Arabic, II.
 *Mohammad Ishaque Ibbani, Lyallpur, Arabic, III.
 Abdul Latif Sabri, Sialkot, Persian, II.
 *S. Abid Ali, Lahore, Persian, II.
 Sufi Abdul Aziz, Gujranwala, Persian, III.
 Jan Mohammad, O.C., Persian, III.
 Mufti Abdul Majid Khan, I.C., Persian, III.
 Naseer-ud-Din Ahmad, Lahore, Persian, III.
 Saiyyad Ghaus, O.C., Persian, III.
 Mohd. Sibgatullah Qureshi, Jullundur, Persian, III.
 Dildar Khan, Lahore, Persian, III.
 Sapuran Singh, G.C., Mathematics, I.
 Ram Lal Sagar, D.S.C., Mathematics, I.
 Zia-ud-Din, I.C.P., Mathematics, II.
 Baboo Lal, F.C.C., Mathematics, II.
 Tarlok Singh Bhatia, G.C., Mathematics, II.

* Not been admitted to the Degree.

1930

Hazari Lal Marwaha, G.C.,
Mathematics, III.
*Mohd. Yunas Khan, I.C.P.,
Mathematics, III.
Som Datt Malhotra, Jullundur,
Mathematics, III.
Mohd. Abdullah, G.C., Mathe-
matics, III.
*Amin Chandra Khanna, G.C.,
Mathematics, III.
Lakshmi Nath, D.S.C., Mathe-
matics, III.
Ram Lal Chitkara, D.S.C.,
Mathematics, III.
Ram Nath, F.C.C., Mathe-
matics, III.
Veda Thakar Das (Miss), G.C.,
Mathematics, III.
Baldev Raj Khanna, G.C., His-
tory, II.
Chuni Lal Kapila, G.C., His-
tory, II.
Syed Fida Hassan, G.C., His-
tory, II.
*Kishan Sarup Thapar, F.C.C.,
History, II.
Dev Raj Seth, G.C., History,
II.
Hari Ram Gupta, G.C., History,
II.
Faqir Chand Arora, F.C.C.,
History, II.
Krishna Singh, G.C., History,
II.
Baba Pyare Lal Bedi, G.C.,
History, II.
Lajpat Rai, G.C., History, II.
Raj Kishan Kapur, G.C., His-
tory, III.
*Arjun Nath Sapru, G.C., His-
tory, III.
Ram Labhaya, G.C., History,
III.
Malik Ram Uboveja, G.C.,
History, III.

1930

Man Mohini Zutshi (Miss),
G.C., History, III.
Khadiu Hussain Razwi, G.C.,
History, III.
Hans Raj, Sheikhpura, His-
tory, III.
Bhagat Singh Mongia, G.C.,
History, III.
Sanaullah Khan, Amritsar, His-
tory, III.
*Ram Rattan Sethi, G.C., His-
tory, III. [III.
Nand Lal Rajpal, G.C., History,
*Nahar Singh Pnaich, G.C.,
History, III.
Lakshmi Narain, G.C., History,
III.
A. Gurcharn Singh Keith, K.C.,
History, III.
*Chaman Lal, F.C.C., History,
III.
*Hardev Prasad Sharma, F.C.C.,
History, III.
Krishan Das, G.C., History,
III.
Mumtaz Mirza, G.C., Econo-
mics, I.
Bawa Narain Singh, F.C.C.,
Economics, II.
Prem Chand Malhotra, F.C.C.,
Economics, II.
Prithvi Nath Chaku, G.C.,
Economics, II.
*Sant Singh Sekhon, F.C.C.,
Economics, II.
Taj-ud-Din Mallick, G.C., Eco-
nomics, II.
Chandan Lal, G.C., Economics,
III.
Mast Ram, D.A.-V.C., Econo-
mics, III.
Mangal Singh, F.C.C., Econo-
mics, III.
Beli Ram, F.C.C., Economics,
III.

1930

- Desh Raj Patney, G.C., Economics, III.
 Manohar Lal Sabherwal, F.C.C., Economics, III.
 Chuni Lal Bery, G.C., Economics, III.
 Radhe Lal, G.C., Economics, III.
 Malik Kul Bhushan, Lahore, Economics, III.
 Ram Mohan Roy Malhotra, D.A.-V.C., Economics, III.
 Jagmohan Lall, G.C., Economics, III.
 *Hidayat Ullah Khan, Peshawar, Economics, III.
 Lal Chand Pahl, G.C., Economics, III.

1930

- Devindra Kamal *alias* Guru Bakhsh Roy, Lahore, Philosophy, III.
 Kundan Lall Kapoor, G.C., Philosophy, III. [III.
 Rappal Singh, G.C., Philosophy, *Bishushur Nath Munshi, G.C., Philosophy, III.
 Kundan Lall Sharma, G.C., Philosophy, III.
 Syed Mohammad Ali, Lahore, Philosophy, III.
 Mubank Mand, G.C., Philosophy, III.
 Komola Banerjee (Miss), G.C., Philosophy, III.
 Mir Mohd. Shafi, Lahore, Psychology, III.

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1930

- Suma Prasada Jain, (Honours in English), G.C., I.
 *Afzal Ali Shah, G.C., I.
 *Badri Nath Mengi, (Honours in English), G.C., I.
 Rama Nand, (Honours in Math. B Course), D.S.C., I.
 Vigyan Bhushan, (Honours in Math. A Course), G.C., I.
 Karam Narain, (Honours in Math. A Course), G.C., I.
 Iqbal Singh, G.C., I.
 Daya Krishan Malhotra, (Honours in Economics), G.C., I.
 Sayed Bashir Ahmad, (Honours in English), G.C., I.
 Kanwar Lal Singh, S.D.C., I.
 Hari Ram Gupta, M.C., I.

1930

- Prem Chand, (Honours in History), G.C., I.
 Ahsan-ud-Din Peer, (Honours in Arabic), G.C., I.
 *Mir Ghulam Rasul, S.P.C., I.
 Indar Bhan Madan, F.C.C., I.
 *Lall Chand Varma, F.C.C., I.
 *Madan Lal Wahi, (Honours in Math. A Course), D.A.-V.C., I.
 Indar Nath Madan, (Honours in Sanskrit), G.C., I.
 Mohd. Tufail Khan, (Honours in English), F.C.C., I.
 Inayat Ali, (Honours in Mathematics B Course), I.C., I.
 Bajrang Das Aggarwala, S.D.C., I.
 Inderjit Ailmadi, G.M.C., I.

Not been admitted to the Degree

1930

Chaman Lal Aggarwal, D.A.-V.C., I.
 Bhagat Ram Sehgal, (Honours in Mathematics B Course), D.A.-V.C., I.
 Krishana Lal Varma, (Honours in Mathematics A Course), S.D.C., I.
 R. Sudarshan Singh *alias* Kidar Nath, Arora, Mry.C., I.
 *Mohammad Sardar Khan, (Honours in Persian), I.C.P., I.
 Hari Kishan, (Honours in Sanskrit), D.A.-V.C., I.
 *Prakash Dev Chawla, F.C.C., I.
 *Gurtej Singh, (Honours in English), G.C., I.
 Lal Chand Sahgal, K.C., I.
 Sanpuran Singh, (Honours in Physics), G.C., I.
 *Jai Dev Singh Gangayan, (Honours in Math. B Course), S.D.C., I.
 Chanan Singh, Hoshiarpur, I.
 Sardari Lal, (Honours in Economics), G.C., I.
 Raj Kumar, (Honours in English), G.C., I.
 Suraj Lal Chopra, D.A.-V.C., I.
 Prem Nath Varma, D.S.C., I.
 Gian Chand Jairth, F.C.C., I.
 Prem Sagar Khera, G.C., I.
 Syed Altaf Hussain Shah Bokhari, (Honours in Persian), I.C., I.
 Partap Kishan Tikkoo, (Honours in Math. A Course), K.C., I.
 Amolak Ram Bahal, S.D.C., I.
 Prabhu Datta Shastri, (Honours in English), K.C., I.
 Prem Swarup Puri, D.A.-V.C., I.

1930

A. S. Lal, (Honours in History), F.C.C., I.
 Madan Lal Oberoi, (Honours in English), D.A.-V.C., I.
 Dharm Bir, S.D.C., I.
 Sohan Lal Abbott, G.M.C., I.
 D. A. Bryan, (Honours in History), F.C.C., I.
 Abdul Wahid, Lahore, I.
 Rulia Ram Sharma, (Honours in History), D.A.-V.C., II.
 *Ch. Irshad Ali Khan, (Honours in Arabic), I.C., II.
 A. Kareem Nyazee, (Honours in Persian), G.C., II.
 Amar Nath Grover, (Honours in History), G.C., II.
 Banwari Lal, S.D.C., II.
 Kishori Lal Bansal, (Honours in English), S.D.C., II.
 Harbans Lal Sarin, F.C.C., II.
 Hari Krishan Dua, (Honours in Physics), F.C.C., II.
 Mohammad Akbar Qureshi, (Honours in Physics), G.C., II.
 Tikka Ram Aggarwal, S.D.C., II.
 Lal Chand Aggarwal, S.D.C., II.
 Mohd. Afzal, I.C., II.
 Nazr-i-Muhammud, (Honours in Persian), G.C., II.
 Bhola Singh, (Honours in English), Mry.C., II.
 Mathra Das Billa, (Honours in English), D.A.-V.C., II.
 Daulat Ram Saini, (Honours in English), S.D.C., II.
 Girdhar Krishan Bhatnagar, S.D.C., II.
 Hardial, S.D.C., II.
 Jai Devi, I.W.C., II.
 Kundan Lal Talwar, G.C., II.
 Kashi Nath Jain, (Honours in English), G.C., II.

* Not been admitted to the Degree.

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Zahir-ud-Din Ahmad *alias* Asghar Ali Abasi, (Honours in English), F.C.C., II.
 Bhagat Ram Klota, (Honours in English), D.A.-V.C., II.
 Iqbal Gur Partap Singh, (Honours in English), G.C., II.
 Shambhu Nath Kaw, P.W.C., II.
 Jamil Asghar Qureshi, (Honours in Economics), G.C., II.
 Malik Mazur Ilahi Awan, (Honours in History), G.C., II.
 Hans Raj Jhangi, F.C.C., II.
 Vishwa Nath, (Honours in Philosophy), G.M.C., II.
 Gauri Shankar Aggarwal, D.A.-V.C., II.
 Ram Dass Parashar, S.D.C., II.
 Uttam Chand, G.M.C., II.
 *Janki Nath Bhat, (Honours in Philosophy), S.P.C., II.
 Jodh Singh Kaistha, M.C., II.
 Sona Datta Verma, (Honours in Sanskrit), D.A.-V.C., II.
 Baldev Krishana Singh, D.A.-V.C., II.
 Daulat Ram, (Honours in English), D.S.C., II.
 Som Parkash, D.A.-V.C., II.
 Gopal Krishan Vaj, (Honours in Physics), G.C., II.
 Kuldip Chand, (Honours in History), G.C., II.
 Hira Lal Vaidya, S.D.C., II.
 Bharat Bandhu Sharma, S.D.C., II.
 Hem Raj Sharina, D.A.-V.C., II.
 Abdul Aziz, (Honours in Persian), I.C., II.
 Dharm Pal Qanungo, (Honours in History), S.D.C., II.

1930

Nazir Ahmad Bajwa, P.W.C., II.
 Surup Chand Katoch, F.C.C., II.
 Nasir-ud-Din Mahmud (*alias* Lal Din), I.C., II.
 *Dharma Paul Mehta, M.C., II.
 Ram Rakha, Lahore, II.
 Sarfaraz Khan, Malik, G.C., II.
 Jagdish Chandra, S.D.C., II.
 Kesar Singh "Kanwal", G.C., II.
 Nazir Ahmad Khan, (Honours in History), M.C., II.
 Mulkh Raj Bhatia, (Honours in Sanskrit), S.D.C., II.
 Ram Nath Sharma, S.D.C., II.
 Bhagmal Mandgala, Lahore, II.
 Rikhi Ram Agarwal, Lahore, II.
 Manohar Nath Kaul, G.C., II.
 Sagheer Ahmad Jan Quraishee, I.C., II.
 Jagan Nath Gerowara, Lahore, II.
 Ganpat Rai Mahajan, Gujrat, Dharin Pal Gupta, (Honours in English), D.S.C., II.
 Sant Lall, (Honours in Persian), S.D.C., II.
 Kundan Lal Dhall, S.D.C., II.
 Parman Singh Mahjur, (Honours in Persian), Mianwali, II.
 Prem Nath Thukral, G.C., II.
 *Jagdish Chandra, G.C., II.
 Ajmehar Singh Grewal, G.C., II.
 Fazal-i-Karim Malik, (Honours in English), Mry.C., II.
 Girija Parsad Anand, M.C., II.
 *Mohan Lal, Malik, G.C., II.
 *Manohar Lal Bhaocher, G.C., II.

* Not been admitted to the Degree.

1930

Bhag Singh, D.S.C., II.
 Vidya Sagar Sethi, (Honours in Physics), G.C., II.
 Maha Vir Kapoor, (Honours in History), D.A.-V.C., II.
 Ruliya Ram Sharma, (Honours in History), D.S.C., II.
 Ch. Nabi Ahmad, (Honours in Philosophy), G.C., II.
 Abdul Majid Khan Salik, G.C., II.
 Ch. Rahmat Ullah Khan, (Honours in Math. B Course), I.C., II.
 *Jagjit Mohan, Lahore, II.
 Inderjit Aggarwal, F.C.C., II.
 Vishnu Mittar, F.C.C., II.
 Bashir-ud-Din Ahmad, G.C., II.
 Muhd. Zia-ul-Haq, (Honours in English), G.C., II.
 Pran Nath Khera, (Honours in History), G.C., II.
 Sain Dass Talwar, Lahore, II.
 Muhammad Tayyib Shah, Kashmir, II.
 Muhammad Akbar Khan, (Honours in Persian), D.S.C., II.
 *Mannohan Singh, G.C., II.
 Ch. Anwar Hussain, (Honours in Persian), I.C., II.
 Vidya Bhushan Sharma, S.D.C., II.
 Sham Sarup Bali, G.M.C., II.
 *Lambodhar Dhar, S.P.C., II.
 Pritam Singh, K.C., II.
 *Siri Krishna, D.A.-V.C., II.
 Shaikh Nur Mohammad, (Honours in Arabic), G.C., II.
 Atiqullah Khan Tikka, I.C., II.
 Mehr Abdul Hamid, I.C., II.
 Abdul Qadir, (Honours in Philosophy), Mry.C., II.
 Mohd. Aslam Mughral, (Honours in History), Mry.C., II.

1930

Gurbakhsh Rai Ogal, (Honours in English), M.C., II.
 Wasawa Singh, M.C., II.
 Mohamined Yahya Qureshi, Jammu, II.
 Din Mohaminad Rajput, G.C., II.
 Said Akbar, G.M.C., II.
 Savitri Vasudev, L.W.C., II.
 Ram Chand Kalra, D.S.C., II.
 Krishna Jiwan Khosla, G.C., II.
 Vidya Sagar Sharma, (Honours in English), S.D.C., II.
 Hakumat Rai Mehta, D.A.-V.C., II.
 Parshotam Singh, D.S.C., II.
 Mohammad Shafi Ferozepuri, (Honours in Persian), G.C., II.
 Jeshth Anand Naroola, G.C., II.
 Hans Raj Bhatia, (Honours in Physics), G.C., II.
 Rameshwar Dayal Mathur, (Honours in English), P.W.C., II.
 Ishar Das Wadehra, Gujranwala, II.
 Avtar Singh, K.C., II.
 Khushi Ram Mauchanda, D.A.-V.C., II.
 Chandan Ram Gupta, F.C.C., II.
 Basant Singh Ahlowalia, M.C., II.
 *Shanti Sarup Chawla, F.C.C., II.
 Shanti Lal Sondhi, (Honours in History), G.C., II.
 Durga Parshad, S.D.C., II.
 Bk. Nand Gopal, G.M.C., II.
 Mohammad Ismail, M.C., II.
 Gurdas Mal Kalra, M.C., II.
 Chitra Sain, Sheikhpura, II.
 Lila Datta, L.W.C., II.

1930

Bal Kishan, D.S.C., II.
 Dalip Singh Suri, F.C.C., II.
 Sunder Lal Aggarwal, S.D.C., II.
 Piara Singh Sandhu, (Honours in Economics), K.C., II.
 Shri Kishan Dass, D.A.-V.C., II.
 Dev Raj Pasricha, F.C.C., II.
 Tikam Das Guglani, (Honours in Economics), S.D.C., II.
 Megh Raj Sethi, Mry.C., II.
 *Gauri Shankar Sharma, Mry.C., II.
 Hari Chand Sondhi, D.S.C., II.
 Mohan Lal, Lyallpur, II.
 Jaswant Singh Chatrath, (Honours in Economics), K.C., II.
 Jai Dev Shourie, F.C.C., II.
 Pindi Das Seth, Gurdaspur, II.
 Khawaja Mohammad Aslam, (Honours in Economics), G.C., II.
 Mohd. Ismail Khan Qadri, (Honours in Persian), I.C., II.
 M. Sher Mohd., F.C.C., II.
 Onkar Nath Bhanot, P.W.C., II.
 Munshi Ram Chopra, Rawalpindi, II.
 Krishan Murari, F.C.C., II.
 Chet Singh Gill, S.D.C., II.
 *Chaudhri Khan, P.W.C., II.
 Brahma Nand Sharma, Simla, II.
 Girdhari Lal Pushkarna, K.C., II.
 Mohammad Ismail, K.C., II.
 Attar Singh Bedi, G.C., II.
 Sh. Mohd. Shafi, I.C., II.
 Mohan Lal Duneja, S.D.C., II.
 *R. Abdulla Khan, G.M.C., II.
 *Durga Datta Sharma, M.C., II.

1930

*Jagdish Singh Marya, M.C., II.
 Ahmed Nur Bukhsh, Bahawalpur, II.
 Champat Rai Aggarwala, G.C., II.
 Syed Nasir Hussain Razvi, I.C., II.
 Faqir Chand Goyle, S.D.C., II.
 Balwant Rai Goel, S.D.C., II.
 *H. H. Sharma, S.D.C., II.
 Sh. Mohammed Maqsood, (Honours in Persian), Mry.C., II.
 Sant Ram Chibber, G.M.C., II.
 Jan Mohammad, D.S.C., II.
 Brij Lal Malhotra, D.S.C., II.
 Bashir Ahmad Mirza, F.C.C., II.
 Ata Mohammad, F.C.C., II.
 Krishan Chander Puri, F.C., II.
 Harbans Lal Dhaun, S.D.C., II.
 Nand Kishore Mohan, M.C., II.
 Charan Dass Ohri, (Honours in English), D.S.C., II.
 Mohd. Ayub Khan, (Honours in English), F.C.C., II.
 Mohammad Hayat, F.C.C., II.
 Charanjiv Lal Kapila, G.C., II.
 *Kesho Nath Trisal, S.P.C., II.
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 *Dina Nath Chawla, F.C.C., II.
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 *Giani Ram, Rohtak, III.
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 *Ram Chand Tikia, Dera Ghazi Khan, III.
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Kartar Singh, K.C., III.
Manohar Singh alias Malla Singh, K.C., III.
**Bishan Singh, K.C., III.*
Beant Singh, Narlo, (Honours in English), K.C., III.
**Gurcharan Singh, J. W., K.C., III. [III.]*
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**Moti Singh Anand, K.C., III.*
Gurdial Singh 'Mahi', K.C., III.
Harbans Lal Mehra, K.C., III.
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Madan Mohan Narang, (Honours in English), K.C., III.
Jagjit Singh, K.C., III.
Joginder Singh Sens, K.C., III. [III.]
Sirv Dhyan Singh Bedi, K.C.,
Mehtab Singh, K.C., III.
Balwant Singh Chima, K.C., III.
Balwant Singh, K.C., III.
Wazir Singh, K.C., III.
Kishan Singh Ezaz, K.C., III.
Gopal Das Loomba, K.C., III.
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**Harbans Singh "Rahi" Gujral, K.C., III.*
Sheikh Muhammad Saleem, K.C., III.

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 Pat Ram Dass, D.A.-V.C., III.
 Dev Datt Abrol, D.A.-V.C., III.
 Rattan Chand, D.A.-V.C., III.
 Bhagwan Das Mehra, D.A.-V.C., III. [III.
 *Gopal Dass Handa, D.A.-V.C.,
 Kanwar Anirudh Chand Katoch, D.A.-V.C., III.
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 Tehri Singh Vidyarthi, D.A.-V.C., III.
 Kashmiri Lal Chopra, D.A.-V.C., III.
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 Jai Dev, D.A.-V.C., III.
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 Gian Chand Parinya, D.S.C., III.
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 Harikishan Lal, F.C.C., III.
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 Ch. Mohammad Yusuf, I.C., III.
 *Khalil Ahmed Quraishi, I.C., III.
 Sheikh Mohammad Saeed, I.C., III.
 Abdur Rabb, I.C., III.
 *Mufti Muhammad Eftzal Anware, I.C., III.
 Mirza Masud Beg, I.C., III.
 *Fateh Mohammad, I.C., III.
 Ch. Inayat Ullah (Hafiz), I.C., III.
 Mohd. Hussain Khan, I.C., III.
 Abdul Hamid, I.C., III.
 *Mian Abdul Azeez, I.C., III.
 Habib Asfand Yar, I.C., III.
 Sayed Khadim Hussain Tirmizee, I.C., III.
 Mir Ghulam Haider, I.C., III.
 Mohammad Alam, I.C., III.
 *M. Badiuzzaman, I.C., III.
 Abdul Karim Chathha, I.C., III.
 Inayat Ali Khan, I.C., III.
 Rashid Ahmad, I.C., III.

1930

Mohd. Aslam Khan, I.C., III.
 *Mohd. Rafi Khan, I.C., III.
 Mohamed Rafi Dar, I.C., III.
 K. M. Aslam, I.C., III.
 Ch. Ata Mohammad, I.C., III.
 Ch. Noor Mohd, I.C., III.
 Syed Fazal Ali Shah, I.C., III.
 *Ch. Mohammad Sarwar Sandhu, I.C., III.
 *Mohammad Hussain, I.C., III.
 Ch. Mohammad Aslam Qureishi, I.C., III.
 Sh. Abdul Majid, I.C., III.
 Ch. Ghazanfar Ali Khan Malik, I.C., III.
 *Mirza Nisar Ali, I.C., III.
 Sh. Mohd. Nasim Ansari, I.C., III.
 K. Mohammed Amin Khan, I.C., III.
 Sharief Ahmad Khan, I.C., III.
 Dharam Pal Sharma, S.D.C., III.
 Raja Ram Sharma, S.D.C., III.
 Jadab Singh, S.D.C., III.
 Piyara Lal Aggarwal, S.D.C., III.
 Ladli Parshad Gandotra, S.D.C., III.
 *Munshi Ram Aggarwal, S.D.C., III.
 Pars Ram Sharma, S.D.C., III.
 Gian Chand Katyal, S.D.C., III.
 Hans Raj Aggarwal, S.D.C., III.
 Bhagwati Charan, S.D.C., III.
 *S. S. Singha, (Honours in English), S.D.C., III.
 *Radha Krishan Gargya Shahabdi, S.D.C., III.
 Durga Das, S.D.C., III.
 Harbans Lal, S.D.C., III.
 Vidya Bhushan Handa, S.D.C., III.

* Not been admitted to the Degree.

1930

Madan Gopal Seggi, S.D.C., III.
 Charanjit Lal Marwaha, S.D.C., III.
 Nihal Chand Bajaj, S.D.C., III.
 *Indra Raj Handa, S.D.C., III.
 Prithmi Chand Kapur, S.D.C., III.
 Vishnu Sahai, S.D.C., III.
 Jai Behari Lal, S.D.C., III.
 Chhatarpati Nath Tara, S.D.C., III.
 Sham Narayan Sharma, S.D.C., III.
 Mehr Chand, S.D.C., III.
 Prithvi Singh, S.D.C., III.
 Mahesha Chandra, S.D.C., III.
 Pran Nath Kapur, S.D.C., III.
 Brahm Dev Varma, S.D.C., III.
 Hans Raj Chaudhri, S.D.C., III.
 Laxman Dass Nijjar, S.D.C., III.
 Bakhtawar Singh Jullunduri, S.D.C., III.
 Durga Dass Bhardwaj, S.D.C., III.
 Girdhari Lal Gupta, S.D.C., III.
 Hem Chand, S.D.C., III.
 Barkat Ram Mahajan, S.D.C., III.
Krishna Chandra Khanna, S.D.C., III.
 Rashan Lal Jain, Mry.C., III.
 Jamani Dutt Sharda, Mry.C., III.
 Gur Spuran Singh, Mry.C., III.
 Ghulam Ahmad Qureshi, Mry.C., III.
 Rashid A. Siddiqi, Mry.C., III.
 Brij Lal Katyal, Mry.C., III.
 Shafi Rashad, Mry.C., III.
 Ain Qutb, Mry.C., III.

1930

Vishwa Nath Handa, (Honours in Persian), Mry.C., III.
 Frederick M. Dass, Mry.C., III.
 Kirpal Singh, Mry.C., III.
 Muhammed Aslam Khan, Mry.C., III.
 *Daniel D. Ram, Mry.C., III.
 Chaman Lal Bahri, Mry.C., III.
 Mitta Ram Roy, Mry.C., III.
 *Ch. Muhammad Anwar Basra, Mry.C., III.
 Prakash Chandra Sahney, Mry.C., III.
 *Karamat Ullah Sheikh, Mry.C., III.
 Kundan Lal Vedhera, Mry.C., III.
 Sikandar Lal, I. R., Mry.C., III.
 Sardari Lal Gorowara, Mry.C., III.
 *Balwant Singh, Saini, Mry.C., III.
 *Ch. Mohd. Tafail, Mry.C., III.
 Ch. Diwan Ali, Mry.C., III.
 Mehr Din, Mry.C., III.
 Abdul Qayyum Quraishi, Mry.C., III.
 Nand Lal Satyal, G.M.C., III.
 Pindi Das, G.M.C., III.
 Uddham Singh Chadha, G.M.C., III.
 *Kalyan Dass Dutta, G.M.C., III.
 *Teju Singh Sahni, G.M.C., III.
 Krishan Lal Kohli, G.M.C., III.
 *Basheshwar Dayal Singh Bhatnagar, G.M.C., III.
 *Fazal Abbas, G.M.C., III.
 *Sh. Bashir Ahmed, G.M.C., III.
 Daulat Ram Gund, G.M.C., III.

1930

- *Sadh Ram, G.M.C., III.
 Mahbub Sabir, G.M.C., III.
 Ch. Muhammed Bakhsh,
 G.M.C., III.
 Frederick Paul, G.M.C., III.
 Dwarka Nath Bakhshi, G.M.C.,
 III.
 *Prem Singh Chandhoke,
 G.M.C., III.
 G. Janbaz Gill, G.M.C., III.
 Mohammed Ashraf, G.M.C., III.
 *Jagbir Sawhney, G.M.C., III.
 *Tara Singh, G.M.C., III.
 *Ghulam Qadar, G.M.C., III.
 Salig Ram Sharma, E.C., III.
 Balak Ram, E.C., III.
 *Abdul Latif, E.C., III.
 *Mufti Mohammad Habib,
 E.C., III.
 Jessa Ram, E.C., III.
 Dev Prakash, E.C., III.
 *Saiyid Mohammad Yahya
 Bokhari, E.C., III.
 *Mehta Soban Chand Datt,
 * E.C., III. [III.
 *Sundar Dass Sawhney, E.C.,
 Sant Ram, E.C., III.
 *Qazi Sarfuzzaman, I.C.P., III.
 *Abdul Wahid, I.C.P., III.
 *Asad Khanzadah, I.C.P., III.
 *M. A. Hafeez, (Honours in
 Persian), I.C.P., III.
 *Abdur Rahman Kattikhel,
 I.C.P., III.
 *Abdul Qadir Khan, I.C.P., III.
 *Mirza Mohd. Sadiq, I.C.P., III.
 *Sayed Shahzada Badshah,
 I.C.P., III.
 *Amar Ilahi, I.C.P., III.
 Haji Iftikhar Ahmad, (Honours
 in English), I.C.P., III.
 *Mohd. Sarfaraz alias Saporas
 Khan, I.C.P., III.
 *Abdul Ghaffoor Yusaf Zai,
 I.C.P., III.

1930

- *Kazi Mohammad Sadiq, I.C.P.,
 III.
 *Mohd. Yaqub, I.C.P., III.
 *Ch. Ghulam Hussain, I.C.P.,
 III.
 Mela Ram Dandona, I.C.P., III.
 Wahid Bakhsh, S.E.C., III.
 Fateh Ali Khan Jatoti, S.E.C.,
 III.
 Ghulam Qadir Nazir, S.E.C.,
 III.
 *Sh. Manzur Hussain, S.E.C.,
 III.
 *Shabbir Hussain Qureshi,
 S.E.C., III.
 Wazir-ud-Din Assar, S.E.C.,
 III.
 Ghaus Mohd. Shah, S.E.C.,
 III.
 *Hakim Khan Malik, S.E.C.,
 III.
 *Basant Singh, S.E.C., III.
 Ram Partap Markandey,
 P.W.C., III.
 Mohd. Afzal Khan, P.W.C.,
 III.
 *Mohammad Abdur Rahman,
 P.W.C., III.
 Dost Mohd. Khan Durrani,
 P.W.C., III.
 *Lakshmi Narain Chhibbar,
 P.W.C., III.
 Mohd. Ghani, P.W.C., III.
 Brij Lal Arora, P.W.C., III.
 *Prem Nath Kaul, P.W.C., III.
 Prem Sagar Suri, P.W.C., III.
 Amar Nath Marwah, P.W.C.,
 III.
 Yogendra Paul Mohindru,
 P.W.C., III.
 *Prem Nath Raina, S.P.C., III.
 *Kanaya Lal Koul, S.P.C., III.
 *Mirza Muhammad Afzal Beg,
 S.P.C., III.
 *Balbader Wali, S.P.C., III.

Not been admitted to the Degree.

1930

- *Kh. Ghulam Mohamad, S.P.C., III.
 Kashi Nath Koul, S.P.C., III.
 *Dina Nath Kaul, S.P.C., III.
 *Mohamed Sidiq Malik, S.P.C., III.
 *Sheoraj Kishan Kaul, S.P.C., III.
 *Shib Nath Kaul, S.P.C., III.
 *Ran Singh, S.P.C., III.
 *Bishamber Nath Koul, S.P.C., III.
 *Saligram Razdan, S.P.C., III.
 *Jia Lal Koul, S.P.C., III.
 Amar Nath, M.C., III.
 K. Rajinder Singh, M.C., III.
 Rameshwar Prasad, M.C., III.
 Mohd. Rashid Bhatti, M.C., III.
 S. Saied Hussain, M.C., III.
 Sayed Mukhtar Ali Shah, M.C., III.
 *S. Dilber Husain Wasti, M.C., III.
 Fazl Mohd., M.C., III.
 Shadi Ram, M.C., III.
 Bawa Kesar Singh, M.C., III.
 Fazl Mohammad Kakkezi, M.C., III.
 *Ram Kishan Moudgil, M.C., III.
 Nand Lal Ansal, M.C., III.
 *Jagan Nath Sharma, M.C., III.
 Ajmer Singh Kang, M.C., III.
 Ajmer Singh Dhillon, M.C., III.
 Shugan Chand Gupta, M.C., III.
 Jugal Kishore Bhuchar, M.C., III.
 Abdur Rashid Malik, M.C., III.
 Payara Lal Sharma, M.C., III.
 Bhauneshwar Dayal Mathur, M.C., III.

1930

- *Ajmer Singh Sidhu, M.C., III.
 *Girish Prasad Mathur, M.C., III.
 Nand Lal Runkash, M.C., III.
 Des Raj Kapur, M.C., III.
 *Babu Singh Sandhu, M.C., III.
 Pritam Singh, M.C., III.
 *Harbakhsh Singh Khahra, M.C., III.
 Sukhdev Singh Kaleka, M.C., III.
 Abdul Latif, M.C., III.
 *Pratap Singh Gokhal, M.C., III.
 Prithi Chand Khosla, M.C., III.
 Gurbax Singh Brar, M.C., III.
 *Mohammad Khan, M.C., III.
 *Daniel I. Khazan Singh, Ludhiana, III.
 Hans Raj Bahl, Lahore, III.
 Harbant Singh, Lyallpur, III.
 *M. Hidayat Ullah, Kashmir, III.
 Sayed Mohd. Shah, Lahore, III.
 *Sayed Ghulam Ali Shah Bukhari, S.E.C., III.
List of persons who have passed the Honours Examination in B.A.

1930

- Sumat Prasada Jain, G.C., English.
 Vidya Sagar Nanda, D.S.C., English.
 Raj Kumar, G.C., English.
 Madan Lal Oberoi, D.A.-V.C., English.
 Badri Nath Mengi, G.C., English.
 Daulat Ram, D.S.C., English.
 Dharm Pal Gupta, D.S.C., English.
 Dharm Dev Bhardwaj, D.A.-V.C., English.

1930

Surtej Singh, G.C., English.
 Bhola Singh, Mry.C., English.
 Daulat Ram Saini, S.D.C., English.
 Kishori Lall Bansal, S.D.C., English.
 Haji Iftikhar Ahmad, I.C.P., English.
 Rameshwar Dayal Mathur, P.W.C., English.
 Prabhu Datta Shastri, K.C., English.
 Balik Ram Arora, K.C., English.
 Fazal-i-Karim Malik, Mry.C., English.
 Kashi Nath Jain, G.C., English.
 Mohd. Shafqat, G.C., English.
 Vidya Sagar Sharma, S.D.C., English.
 Mathra Das Billa, D.A.-V.C., English.
 Iqbal Gur Partab Singh, G.C., English.
 Mohd. Tufail Khan, F.C.C., English. [lish.
 Gurbaksh Rai Ogal, M.C., English.
 Bhagat Ram Klota, D.A.-V.C., English.
 Zahir-ud-Din Ahmad *alias* Asghar Ali Abbassi, F.C.C., English.
 Mohd. Ayub Khan, F.C.C., English.
 Madan Mohan Narang, K.C., English.
 Beant Singh Naroo, K.C., English.
 Charan Dass Ohri, D.S.C., English.
 Mulk Raj Mehta, D.S.C., English.
 S. S. Singha, S.D.C., English.
 Mohd. Zia-ul Haq, G.C., English.
 Jagdish Mitra, D.A.-V.C., English.

1930

Sayed Bashir Ahmad, D.A.-V.C., English.
 Karam Narain, G.C., Math. (A).
 Partap Kishen Tikoo, K.C., Math. (A).
 Vigyan Bhusan, G.C., Math. (A).
 Madan Lall Wahi, D.A.-V.C., Math. (A).
 Krishan Lal Varma, S.D.C., Math. (A).
 Rama Nand, D.S.C., Math. (B).
 Bhagat Ram Sehgal, D.A.-V.C., Math. (B).
 Jai Dev Singh Gangayan, S.D.C., Math. (B).
 Inayat Ali, I.C., Math. (B).
 Ch. Rahmat Ullah Khan, I.C., Math. (B).
 Hari Krishan, D.A.-V.C., Sanskrit. [krit.
 Indar Nath Madan, G.C., Sans-Soma Datta Verma, D.A.-V.C., Sanskrit.
 Mulk Raj Bhatia, S.D.C., Sanskrit.
 Ahsan-ud Din Peer, G.C., Arabic.
 Ch. Irshad Ali Khan, I.C., Arabic.
 Sheikh Nur Mohammad, G.C., Arabic.
 Syed Altaf Hussain Shah Bokhari, I.C., Persian.
 Nazr-Muhammad, G.C., Persian.
 A. Kareem Nyazee, G.C., Persian.
 Mohannad Sardar Khan, I.C.P., Persian.
 Mohammad Shafi Ferozepori, G.C., Persian.
 Sant Lall, S.D.C., Persian.
 Ch. Anwar Hussain, I.C., Persian.
 Mohammad Akbar Khan, D.S.C., Persian.

1930

Abdul Aziz, I.C., Persian.
 Parman Singh Mahjur, Mianwali, Persian.
 Vishwa Nath Handa, Mry.C., Persian.
 Sh. Mohammad Maqsud, Mry.C., Persian.
 Mohd. Ismail Khan Qadri, I.C., Persian.
 Jaggat Ram, D.S.C., Persian.
 M. A. Hafeez, I.C.P., Persian.
 Khwaja Said Ahmad Haroon, I.C., Persian.
 Prem Chand, G.C., History.
 Kuldip Chand, G.C., History.
 A. S. Lall, F.C.C., History.
 Malik Manzur Ilahi Awan, G.C., History.
 Dharm Pal Qanungo, S.D.C., History.
 Nazir Ahmed Khan, M.C., History.
 D. A. Bryan, F.C.C., History.
 Rulia Ram Sharina, D.A.-V.C., History.
 Pran Nath Khera, G.C., History.
 Ruliya Ram Sharma, D.S.C., History.
 Anar Nath Grover, G.C., History.
 Mohd. Aslam Mughral, Mry.C., History.
 Shanti Lal Sondhi, G.C., History.
 Maha Vir Kapoor, D.A.-V.C., History.

1930

Daya Krishan Malhotra, G.C., Economics.
 Sardari Lal, G.C., Economics.
 Tikam Das Guglani, S.D.C., Economics.
 Jamil Asghar Qureshi, G.C., Economics.
 Mufti Mohd. Anwar Iqbal Qureshi, F.C.C., Economics.
 Jaswant Singh Chatrath, K.C., Economics.
 Piara Singh Sandhu, K.C., Economics.
 Khawaja Mohammad Aslam, G.C., Economics.
 Vishwa Nath, G.M.C., Philosophy.
 Abdul Qadir, Mry.C., Philosophy.
 Janki Nath Bhat, S.P.C., Philosophy.
 Ch. Nabi Ahmad, G.C., Philosophy.
 Mohammad Akbar Qureshi, G.C., Physics.
 Hans Raj Bhatia, G.C., Physics.
 Sampuran Singh, G.C., Physics.
 Gopal Krishen Vij, G.C., Physics.
 Vidya Sagar Sethi, G.C., Physics.
 Hari Krishan Dua, F.C.C., Physics.
 Vesheshar Nath Vasu Deva, G.C., Physics.

BACHELOR OF ARTS (SUPPLEMENTARY).

1930

Mohan Lal Madan, D.S.C., I.
 Faqir Chand Arora, D.A.-V.C., I.

1930

Gurdial Singh Dua, G.C., II.
 Devki Nandan, Peshawar, II.
 Ishar Das, D.S.C., II.

1930

Manohar Lal Bajaj, F.C.C., II.
 *Prithvi Chand Sood, Simla, II.
 Daulat Ram, D.S.C., II.
 Ganga Ram, F.C.C., II.
 Lachhman Dass, D.S.C., II.
 Des Raj Trehan, Gurdaspur, II.
 Charanji Lal Chopra, Lahore, II.
 Madan Mohan Mehra, Lahore, II.
 *Khawaja Bashir Ahmad Mir, Mry.C., II.
 Mohd. Amin, F.C.C., II.
 Kishori Lal, Lahore, II.
 Shaikh Aftab Ahmad, G.C., II.
 Malik Abdur Rahman Khadim, I.C., II.
 Ram Lal Suri, G.C., II.
 *Khushi Ram Varma, Karnal, II. [II.
 Kharaiti Lal Agarwal, Mry.C., Mohammad Basheer Farooquee, Mry.C., II.
 Hans Raj Dhir, Lahore, II.
 Khurshid Ahmad Qureshi, Sialkot, II.
 Bhojdatt Thakur, Lahore, II.
 Radha Krishan Kak, S.P.C., II.
 Shiv Dyal Narula, Lahore, II.
 Inder Singh Jabble, K.C., II.
 Ch. Niamat Ali, Jullundur, II.
 *Mirza Khalil Ahmad, G.C., II.
 Rao Indraj Singh, G.C., II.
 Raj Kishen, Lahore, II.
 Jagannath Sharma, Jullundur, II.
 Mohammad Shafiq, Lahore, II.
 *Janki Nath Kantroo, S.P.C., II.
 *Kartar Singh Lyallpuri, K.C., II.

1930

Sita Ram Gandhi, F.C.C., II.
 Dewan Chand, D.S.C., II.
 Prain Nath Rawal, S.P.C., II.
 Gursarn Singh Singhotla, Jullundur, II.
 Iqbal Singh Tooli, D.S.C., II.
 Hans Raj Puri, Lahore, II.
 Jagdish Chandra Soni, Amritsar, II.
 Nathu Ram Aggarwal, Lahore, II.
 Sayyed Akhlaq-ul Hasan, I.C., II.
 Karam Chand Arora, Lahore, II.
 Romesh Chandra, G.C., II.
 Mohd. Abdul Majid, I.C., II.
 Prem Nath Kapur, Lahore, III.
 Tharu Ram, Shahpur, III.
 *Kailash Chandra, Muzaffargarh, III.
 *Gopi Nath Koul, Kashmir, III.
 Salig Ram, D.A.-V.C., III.
 Daulat Ram Bhasin, Lahore, III.
 Peshauri Lal Ahuja, Lahore, III.
 Tulsi Dass Kumar, F.C.C., III.
 Som Dutt Tiwari, G.C., III.
 Uggar Sain Jain, G.C., III.
 Ram Lal Shamepotra, S.D.C., III.
 Shiv Parshad Kaiia, Ferozepur, III.
 Abdul Hafeez, Mry.C., III.
 Syed Sajjad Haider Sherazie, Mry.C., III.
 Krishan Gopal Sejidher, G.M.C., III.
 *Mangat Ram Gupta, Kashmir, III.
 *Janki Nath, S.P.C., III.
 *Ragho Nath Kaul, S.P.C., III.

* Not been admitted to the Degree.

FACULTY OF SCIENCE.

DOCTOR OF SCIENCE.

1918

Baini Prashad, m.sc., Lahore.

1919

Ramji Narain Mehra, m.sc., Lyallpur.

1920

*K. N. Bahl, m.sc., Lahore.

1922

Sunder Lall Hora, m.sc., Calcutta.

1923

B. N. Chopra, m.sc., Calcutta.

1925

G. S. Cheema, m.sc., Poona.

1928

*H. L. Chhibber, Rangoon (Burma).

1929

S. L. Bhatia, Lahore.

1930

Dina Nath Goyle, Lahore.
M. Sharif, Bombay.

* Not been admitted to the Degree.

MASTER OF SCIENCE.

1930	1930
Mulkh Raj Sethi, G.C., Physics, I.	Gyan Das Jain, G.C., Physics, III.
Tara Chand Jhingan, G.C., Physics, II. [Physics, II.	Har Kishan Lal <i>alias</i> Hiya Lal, G.C., Physics, III.
*Karam Chand Nanda, G.C., N. P. Iyer, G.C., Physics, II.	Amolak Ram, Choudhry, G.C., Physics, III.
Swaran Singh, G.C., Physics, III.	Niranjana Nath Kak, Lahore, Chemistry, II.
*Satya Prakash Lall, G.C., Physics, III.	Anant Ram Sharma, Lahore, Chemistry, III.
Faqir Chand Kapur, G.C., Physics, III.	Shambhoo Nath Wakhaloo, P.W.C., Geology, II.
Hari Chand Taneja, Kangra, Physics, III.	Brij Singh Andotra, P.W.C., Geology, III.

MASTER OF SCIENCE (HONOURS SCHOOL).

1930	1930
Sh. Abdul Ghani Asghar, G.C., Chemistry, I.	Kishen Parshad Kapur, G.C., Chemistry, III.
M. Abdul Haq, G.C., Chemistry, I.	Amar Singh Bhullar, F.C.C., Chemistry, III.
Sodhi Narinjan Das, G.C., Chemistry, II.	Ram Lal Gupta, F.C.C., Chemistry, III.
Ishwar Chand Badhwar, F.C.C., Chemistry, II.	Nazir Ahmad, F.C.C., Chemistry, III.
Kartar Singh, G.C., Chemistry, II.	Amar Chand Joshi, G.C., Botany, I.
Jai Kishen, F.C.C., Chemistry, II.	Pran Nath, G.C., Botany, I.
Ishwar Das Khera, F.C.C., Chemistry, II.	Mohindar Singh Randhawa, G.C., Botany, I.
Dara Singh, F.C.C., Chemistry, II.	Govardhan Lal Chopra, G.C., Botany, I.
Kashmiri Lal Bhagat, F.C.C., Chemistry, II.	Autar Singh Kapur, G.C., Botany, II.
Vidya Dhari Puri, G.C., Chemistry, II.	Bhola Nath, G.C., Botany, II.
Muhammad Ishaq, G.C., Chemistry, III.	*Bidhi Chand Anand, G.C., Botany, III.
	Dyal Singh Johar, G.C., Botany, III.

* Not been admitted to the Degree.

1930

Bakhshish Singh Saini, G.C.,
Botany, III. [I.
Des Raj Bhatia, G.C., Zoology,
Madan Lal Bhatia, G.C., Zoo-
logy, II.

1930

Murli Dhar Nangia, G.C.,
Zoology, II.
Shadi Lal, G.C., Zoology, II.
Shanti Prakash Ghai, G.C.,
Zoology, II.

BACHELOR OF SCIENCE (HONOURS SCHOOL).

1930

Ved Prakash Chandra Gautama,
G.C., Chemistry, I.
Mulk Raj Chug, F.C.C., Chem-
istry, I.
Radha Krishan Luthra, F.C.C.,
Chemistry, II.
Amanat Ullah Qureshi, I.C.,
Chemistry, II.
Basheshar Dass Kochhar,
F.C.C., Chemistry, II.
Satya Prakash *alias* Rura Mal
Behal, D.A.-V.C., Chemistry,
III.
Balwant Rai Puri, F.C.C.,
Chemistry, III.
Chanan Ram Sharma, D.A.-
V.C., Chemistry, III.
Shiv Lal, D.A.-V.C., Chemistry,
III.
Rattan Chand Bhalla, G.C.,
Chemistry, III.
*Mohan Lal Beri, D.A.-V.C.,
Chemistry, III.
Khushal Chand Gulati, F.C.C.,
Technical Chemistry, I.
Mohd. Shafee, F.C.C., Techni-
cal Chemistry, III.
Ujagar Singh Cheema, F.C.C.,
Technical Chemistry, III.
Kanwar Singh Kang, F.C.C.,
Technical Chemistry, III.

1930

Zafr-ud-Din Ahmed, F.C.C.,
Technical Chemistry, III.
Gurcharn Singh Sachar, F.C.C.,
Botany, II.
M. Zulfikar Khan, G.C.,
Botany, II.
Dewan Mohinder Nath, F.C.C.,
Botany, II.
Abdul Majeed, G.C., Botany,
II.
Ch. Mohd. Shafi, F.C.C.,
Botany, II.
M. Abdul Hameed, Sheikh,
G.C., Botany, III.
*Hardayal Singh, D.A.-V.C.,
Botany, III.
Lal Singh Bath, F.C.C., Botany,
III. [III.
Mohd. Aslam, F.C.C., Botany,
Vidyasagar Kapur, F.C.C.,
Botany, III.
Sh. Sher Ahmad, F.C.C., Zoo-
logy, II.
Dulo Ram Raina, D.A.-V.C.,
Zoology, III.
Nazir Ahmad Janjua, F.C.C.,
Zoology, III.
*Sohan Singh Pathania, G.C.,
Zoology, III.
Aziz Ahmad Khan, I.C., Zoo-
logy, III.

* Not been admitted to the Degree.

BACHELOR OF SCIENCE.

1930

Sohan Singh Bhatia, K.C., II.
 Bhagwan Singh, K.C., II.
 Daljeet Singh, K.C., II.
 Gurbax Singh Tarn Tarani,
 K.C., II.
 Dharm Chand Seth, F.C.C., II.
 Dalip Singh, G.M.C., II.
 *Gautam Bakhshi, G.M.C., II.
 Ishardass Bhatia, D.A.-V.C., II.
 Vishan Dass Vohra, D.A.-V.C.,
 II.
 Hans Raj Kohli, F.C.C., II.
 Amar Nath Roy, K.C., II.
 Gurcharan Dass, D.A.-V.C., II.
 Harish Chandra Nijhawan,
 F.C.C., II.
 Jagat Singh Musaffer, K.C., II.
 *Suraj Bal Ram, G.M.C., II.
 Hem Raj Sethi, G.M.C., II.
 Ch. Mohammed Ezzel Khan,
 K.C., II.
 Kishen Singh, K.C., II.
 Hira Nand Chawla, D.A.-V.C.,
 II.
 Sham Singh Kapur, F.C.C., II.
 *D. S. Laul, F.C.C., II.
 *Ata Mohd. Nadim, I.C., II.
 Dharm Chand, Lahore, II.
 Saeed-ud-din Khan, G.C., II.
 *Kundan Lal Khuller, D.S.C.,
 II.
 *Savad Shah Ibrahim, F.C.C.,
 II.
 Mohd. Abid Ali Akbar Khan,
 G.C., II.
 Harbans Lal Vedhera, D.S.C.,
 II.
 *Chuni Lal Bhatia, P.W.C., II.
 *Kishan Chand, F.C.C., II.
 Ganga Singh, K.C., II.
 Bir Sain Kohli, D.A.-V.C.,
 II.
 Chhabil Lal, G.M.C., II.

1930

Basant Lal Malhotra, D.A.-
 V.C., II.
 Chaman Lal Lakra, P.W.C.,
 II.
 Sheikh Muhamed Ashraf, K.C.,
 II.
 *Gyan Singh Sodhi, K.C., II.
 *Balwant Singh Data, K.C., II.
 Dalip Singh M. Puri, K.C., II.
 Abdul Hamid Khan, Hazara, II.
 Narendra Singh, D.A.-V.C., II.
 Gurdas Ram Bhaglal, (Honours
 in Physics), F.C.C., II.
 Brijmohan Paul, F.C.C., II.
 Chanan Singh, (Honours in
 Physics), D.A.-V.C., II.
 Girdhari Lal Maggon, D.A.-
 V.C., II.
 Parma Nand, D.S.C., II.
 Ram Nath Chopra, F.C.C., II.
 Nanak Chand Gupta, P.W.C.,
 II.
 Bidhi Singh Kanwar, F.C.C.,
 II.
 Amar Nath Malhotra, D.A.-
 V.C., II.
 Nihal Chand Nagpaul, S.D.C.,
 II.
 Sayed Mohammad Ali Shah
 I.C., II.
 *Mansa Ram Sud, Simla, III.
 Mulk Raj Laroia, Lahore, III.
 Hakim Ali, Lahore, III.
 Vishwa Natha Vatsa, Lahore,
 III.
 Mohd. Basir, Bannu, III.
 Bikaram Singh, K.C., III.
 *Gurmukh Singh Kahai, K.C.,
 III.
 Mohd. Ali Khan Gohar, K.C.,
 III.
 Mannath Thulal, K.C., III.
 S. S. Dass Sval, D.A.-V.C., III

* Not been admitted to the Degree.

1930

*Amar Nath Varma, D.A.-V.C.,
III.

*Bishambhar Nath Sabherwal,
D.A.-V.C., III.

Bakshi Ram Aggarwala,
(Honours in Physics), D.A.-
V.C., III.

Barindar Singh Dadwal *alias*
Kashmir Singh, D.A.-V.C.,
III.

Yagya Datta Trivedi, D.A.-
V.C., III.

Sardari Lal Puri, D.A.-V.C.,
III.

Kehar Singh Manu, F.C.C., III.

Bir Singh Bahra, F.C.C., III.

Kanwar Lal Shourie, F.C.C.,
III.

Thakar Singh Sara, F.C.C., III.

Kishori Lal Sud, F.C.C., III.

Harbans Singh, G.C., III.

Tarlok Nath Sethi, G.C., III.

Qazi Mohd. Yusaf, G.C., III.

Ch. Mohd. Nazir Khan, I.C.,
III.

Abdul Waheed, I.C., III.

*Teja Singh Nanda, G.M.C.,
III.

*M. Sher Bahadur, I.C.P., III.

*Mohd. Baran Khan, I.C.P.,
III.

*Jiya Lal Warikoo, P.W.C.,
III.

*Ram Lal Vij, P.W.C., III.

*Passed under Regulations 20
and 21, Calendar (1929-30)
page 291 ("Syndicate Pro-
ceedings", dated the 13th
June, 1930, paragraphs 22
and 23) :—*

1930

Krishna Lal Puri, D.A.-V.C.

Ch. Niaz Ali, I.C.

Ch. Khurshid Mohd. Khan, I.C.

*Narinder Nath Chopra, F.C.C.

*Nathu Ram Khanna, F.C.C.

*Sharif Hussain, D.S.C.

*Sada Nand Virmani, D.S.C.

Dina Nath Raina, G.C.

*Passed under Regulations 20
and 21, Calendar (1929-30)
page 291 ("Syndicate Pro-
ceedings", dated the 7th
November, 1930, paragraph
18) :—*

Lajpat Rai Duggal, F.C.C.

*List of persons who have passed
the Honours Examination in
B.Sc.*

1930.

Gurdas Ram Bhaglal, F.C.C.,
Physics.

Chanan Singh, D.A.-V.C., Phy-
sics.

Bakshi Ram Aggarwala, D.A.-
V.C., Physics.

BACHELOR OF SCIENCE (SUPPLEMENTARY).

1930

Har Lal Singh, Lahore, II.
Tajammal Hussain Bhatti,
Peshawar, II.

1930

Gurcharan Singh, T. T., K.C.,
II.
Sultan Ahmad, I.C., II.

* Not been admitted to the Degree.

1930

1930

- | | |
|---------------------------------|------------------------------|
| *Sham Lal Koul, P.W.C., II. | Ram Lal Chugh, Lahore, III. |
| C. Natarajan, Lahore, II. [III. | Haider Hussain Shamsi, I.C., |
| Hari Chand Khanna, Multan, | III. |

FACULTY OF AGRICULTURE.

MASTER OF SCIENCE IN AGRICULTURE.

1930

- Nand Kishor Bhardwaj, A.C., Zoology and Entomology, III.

BACHELOR OF SCIENCE IN AGRICULTURE.

1930

1930

- | | |
|----------------------------------|------------------------------|
| *Nisar Hassan, A.C., I. | *Parkash Chand, A.C., II. |
| *Atam Singh Kochar, A.C., II. | *Nand Singh, A.C., II. |
| Krishna Ram, Chaudhri, A.C., II. | Matu Ram Ahlawat, A.C., II. |
| Shah-ud-Din Ahmad, A.C., II. | *Mohd. Ismail, A.C., II. |
| P. Mayadas, A.C., II. | *Sukhjindar Singh, A.C., II. |
| Pritam Singh Sandhu, A.C., II. | *Lall Singh Sahi, A.C., II. |
| *Shiv Datta, A.C., II. | Satwant Singh Montgomery, |
| Gurbakhsh Singh Bath, A.C., II. | A.C., II. |
| Mohan Singh, A.C., II. | *Abdul Majid, A.C., II. |
| Parduman Singh, A.C., II. | Ram Narain, A.C., II. |
| Meva Singh, A.C., II. | Ranjit Singh, A.C., II. |
| Vidya Sagar Kaura, A.C., II. | *Abdul Haq, A.C., III. |
| *Harbans Singh Teja, A.C., II. | Surjan Singh, A.C., III. |
| *Abdul Qadir Khan, A.C., II. | Atma Singh, A.C., III. |
| Syed Nawazish Ali Bokhari, | *Abdul Aziz, A.C., III. |
| A.C., II. | Piara Singh Dhaliwall, A.C. |
| Tharu Ram Taneja, A.C., II. | III. [III |
| *Gulzara Singh, A.C., II. | Piara Singh 'Randhawa', A.C. |
| | Bhure Singh Raghava, A.C. |
| | III. |

* Not been admitted to the Degree.

BACHELOR OF SCIENCE IN AGRICULTURE (SUPPLEMENTARY).

1929

- *Kartar Singh Shahpuri, A.C., II.
- *Bakhtawar Singh Ghangas, A.C., II.
- *Rana Kartar Singh, A.C., II.
- *Mohd. Sharif, A.C., III.
- *Chanan Singh, A.C., III.
- *Brij Lal Palta, A.C., III.

1930

- Chanan Singh, A.C., II.
- *Sher Mohd. Khan, A.C., II.
- Pass Ram Katyal, A.C., II.
- *Pritam Singh Teja, A.C., II.
- Mohd. Ahmad (Chaudhari), A.C., III.
- *Niaz Ahmad Khan, A.C., III.
- Jagan Nath Chawla, A.C., III.
- Ram Piyara Mal, A.C., III.

FACULTY OF ARTS.

BACHELOR OF TEACHING EXAMINATION.

1930

- Jairam Das Kwatra, C.T.C., I.
- Baljit Singh Khosla, C.T.C., I.
- *Abdul Wahid, C.T.C., II.
- *Sucha Singh, C.T.C., II.
- *Surat Singh Aulakh, C.T.C., II.
- Awadh Kishore, C.T.C., II.
- *Mohamed Yakub, C.T.C., II.
- Mustansir Billah, C.T.C., II.
- Amba Prashad Kashyap, C.T.C., II.
- *Rahim Bakhsh Khan, C.T.C., II.
- Bimola M. David, C.T.C., II.
- *Ganga Datt Sharma, C.T.C., II.
- Bawa Moti Singh, Rawalpindi, II.
- Mohd. Ibrahim, C.T.C., II.
- *Abdul Ghafur, C.T.C., II.
- *Mary E. Thomas, C.T.C., II.
- Sardari Lal Nayar, C.T.C., II.
- Muhammad Yusuf Quraishi, Gujranwala, II.

1930

- Raghu Nath Sahai, Mugrai, C.T.C., II.
- *Mahtab Singh, C.T.C., II.
- Budh Ram Aggarwal, C.T.C., II.
- R. Justin, C.T.C., II.
- Ahmad Din, Akhtar, C.T.C., II.
- Girdhari Lal Sirpal, Hoshiarpur, II.
- Abdul Majid Khan, C.T.C., II.
- Deborah H. Fazl Masih, C.T.C., II.
- *Chetan Gopal, C.T.C., II.
- *Badri Nath Chopra, Malerkotla, II.
- Teja Singh, C.T.C., II.
- A. Gupta, C.T.C., II.
- Harbans Lal Gaulatia, C.T.C., II.
- Sundar Singh, C.T.C., II.
- Piyare Lal Aggarwal, Rohtak, II.
- Allah Ditta, Montgomery, II.
- Chetan Singh, Hoshiarpur, II.

* Not been admitted to the Degree.

1930

Wilaiti Ram Khera, Ferozepur, II.
 Des Raj Somra, C.T.C., II.
 Abdur Rashid, Amritsar, II.
 Hazrat Gul, Kohat, II.
 *Muhammad Fateh-ud-Din, C.T.C., II. [II.
 Durga Nath Puri, Sheikhpura, Hazari Lal, C.T.C., II.
 Charagh Hassan Janjua, C.T.C., II.
 Rashid Ahmad, Karnal, II.
 Shankar Das Bhalla, Mandi, II.
 Bhushan Chandra Bhalla, C.T.C., II.
 *(Miss) L. Peters, C.T.C., II.
 Sultan Mahmood Ghazanvi, Amritsar, II.
 *Chiranjiva Sahitya Sadan, Lahore, II.
 Bawa Gurbachan Singh Bedi, Sheikhpura, II.
 Shri Niwas Sharma, Rohtak, II.
 *Hoshiyar Singh, Jhelum, II.
 Bawa Jaswant Singh, Hoshiarpur, II.
 Narain Dev, Lyallpur, II.
 *Ghulam Mohammad Asim, C.T.C., II.
 Ram Lal Uheroy, C.T.C., II.
 *Amar Nath Bhalla, Jullundur, III.

1930

Ferozah Shadi Khan, C.T.C., III.
 *Basant Rattan, C.T.C., III.
 Mahabir Prashad Jain, Amroala, III.
 *Khwaja Hazir Hasan, C.T.C., III.
 Eva Banerji, C.T.C., III.
 Ajit Singh Singhoti, Hoshiarpur, III.
 Syed Sharif Husain, Lahore, III.
 Harbans Lal Chopra, Rawalpindi, III.
 Teja Singh, Amritsar, III.
 *Rattan Lal, Montgomery, III.
 *Abdul Salam, C.T.C., III.
 *Dyal Chand Sechdev, Shahpur, III.
 *Ahsan Gul, C.T.C., III.
 Firoz Hasan Butt, Amritsar, III.
 Anwar Ali, Jullundur, III.
 Mohd. Abdul Haq, Sialkot, III.
 Gyan Prakash, Delhi, III.
 Krishan Das, Lahore, III.
 Ferozud Din, Sheikhpura, III.
 *Mohd. Bukhsh, Jhang, III.
 *Brahma Swarupa, Hissar, III.
 *Puran Singh, Ferozepur, III.
 Harnam Singh Bal, Lahore, III.
 Kehar Singh, Lyallpore, III.

FACULTY OF LAW.

List of persons upon whom Degrees have been conferred under Section 14, Act XIX, 1882.

BACHELOR OF LAW.

1930

Balwant Singh Kalkat, L.C., I.
 Manohar Lal Gambhir, L.C., I.

1930

*Iqbal Krishan, L.C., I.
 *Darya Datta Chawla, L.C., I.
 Durga Parshad Sharma, L.C., I.

* Not been admitted to the Degree.

1930

Amar Singh Puri, L.C., I.
 *Dara Singh, L.C., I.
 *Gosain Pritam Lal, L.C., I.
 *Prakash Raj Jain, L.C., I.
 *Jaimal Singh Sluja, L.C., I.
 Madan Mohan Singh, L.C., I.
 Nanak Chand Kundra, L.C., I.
 *Behari Lal Goswami, L.C., I.
 Veda Vyasa, L.C., I.
 Hardyal Singh, L.C., I.
 *Anant Ram Tingni, L.C., I.
 Beant Singh, L.C., I.
 *Amrik Singh Gujral, L.C., I.
 *Sh. Faruq Ahmad, L.C., I.
 Lakhmi Chand Kohli, L.C., I.
 Harbans Singh Karir, L.C., I.
 Jagdish Chand Garg, L.C., I.
 *Tek Chand Chitkara, L.C., I.
 Gobind Ram Ghambir, L.C., I.
 Ganda Singh Bedi, L.C., I.
 *Harbhajan Singh, L.C., I.
 *Madan Gopal Rishi, L.C., I.
 Ramji Lal, L.C., I.
 *Harcharan Singh Kaleka, L.C., I.
 Kharaiti Ram Sial, L.C., I.
 *Mukand Lal Aggarwal, L.C., I.
 *Gowardhan Lal Sharma, L.C., I.
 *Durga Datt, L.C., I.
 Govind Chand, L.C., I.
 Charan Dass Aggarwala, L.C., I.
 *Harish Chandar Anand, L.C., I.
 Jai Singh Narula, L.C., I.
 Raghunath Lal, L.C., I.
 Khuda Bakhsh Saleem, L.C., I.
 Indra Bhan Gora, L.C., I.
 Dhian Singh, L.C., I.
 *Jodh Singh, L.C., I.
 Joti Sarup Varma, L.C., I.
 *Bihari Lal Sud, L.C., I.
 Lekh Raj Bhardwaj, L.C., I.

1930

*Balwant Rai Aggarwala, L.C., I.
 Balwant Rai Goela, L.C., I.
 *Abdul Aziz Fazili, L.C., I.
 Hans Raj Mittal, L.C., I.
 *Kundan Lal Singal, L.C., I.
 Yusaf Khan, L.C., I.
 Mohammad Shafi, L.C., I.
 *Chuni Lal Nadewala, L.C., I.
 Harbaksh Singh Jaspal, L.C., I.
 *Murari Lal Kanwar, L.C., I.
 *Dilbagh Rai Saini, L.C., I.
 *Hardit Singh Suri, L.C., I.
 Mathra Dass Sami, L.C., I.
 *Nasir Bakhsh, L.C., I.
 Raj Krishna Tandan, L.C., I.
 *Madan Mohan Bhagat, L.C., I.
 *Ram Ditta Mal Batra, L.C., I.
 *Hans Raj Bhushy, L.C., I.
 M. I. Hussain, L.C., I.
 Shiv Nath Raheja, L.C., I.
 Atam Chand Piplani, L.C., I.
 Kahan Chand Sharma, L.C., I.
 Lal Chand Aggarwal, L.C., I.
 Hans Raj Sharma, L.C., I.
 *Jagdish Rai, L.C., I.
 Muhammad Azam, L.C., I.
 Ram Sahai Kapur, L.C., I.
 *Khushi Ram Joshi, L.C., I.
 Hans Raj Seth, L.C., I.
 Shanti Sarup Goyal, L.C., I.
 *Mohd. Sana Ullah, L.C., I.
 Shadi Lal Jain, L.C., I.
 Sultan Khan, L.C., I.
 Khem Raj Bhagat, L.C., I.
 Sheikh Zahur Ahmad, L.C., II.
 *Manohar Lal Aggarwal, L.C., II.
 Anant Ram Puri, L.C., II.
 Phula Singh, L.C., II.
 *Ram Nath Handa, L.C., II.
 Amolak Ram Suri, L.C., II.
 Jagjit Singh Seth, L.C., II.

1930

*Milkhi Ram Sud, L.C., II.
 Raj Lal, L.C., II.
 *Jagjit Singh Athwal, L.C., II.
 *Nanak Chand Anand, L.C., II.
 Malik Nar Singh Das, L.C., II.
 *Ziaullah Khan Malik, L.C., II.
 *Dev Raj Khanna, L.C., II.
 Amrit Lal Jain, L.C., II.
 Mohd. Said, L.C., II.
 Sri Krishan, L.C., II.
 *Bakhshi Ram Sharma, L.C., II.
 *Dilawar Hussain, L.C., II.
 *Raghubir Singh Gujral, L.C., II.
 *Satya Pal Madar, L.C., II.
 Darbari Lal Bhalla, L.C., II.
 G. M. Qureshi, L.C., II.
 Kapur Chand, Puri, L.C., II.
 Yash Paul, Varma, L.C., II.
 Jangi Lal Jain, L.C., II.
 Jesa Ram, L.C., II.
 Kishan Chand, Mital, L.C., II.
 *Nisar Hussain Syed, L.C., II.
 Abdul Hamid Shaikh, L.C., II.
 *Arjan Singh "Kheriwala", L.C., II.
 Shaikh Mohammad Bashir, L.C., II.
 Ata-ul-Haque, L.C., II.
 Hari Kishan Lal Grover, L.C., II.
 *Joti Nath, L.C., II.
 *Ram Chand Sawhney, L.C., II.
 Raj Krishan Nayyar, L.C., II.
 Ram Saran Uppal, L.C., II.
 *S. Amar Chandra, L.C., II.
 *David Fazal-ud-Din Bhumblla, L.C., II.
 *D. S. Pura Singh, Sandhu, L.C., II.
 *Daulat Ram Sobti, L.C., II.
 *Fazal Mohd., L.C., II.
 *Iqbal Ahmad Siddiqi, L.C., II.

1930

Tek Chand Chopra, L.C., II.
 Jagir Singh Grewal, L.C., II.
 Bawa Mehar Singh Trehan, L.C., II.
 Amar Chand, L.C., II.
 *Manohar Lal Chopra, L.C., II.
 *Sher Bahadur Khan, L.C., II.
 Shubb Nath Aggarwal, L.C., II.
 Assanand Chadha, L.C., II.
 Ram Lal Sharma, L.C., II.
 *Roshan Lal Vohra, L.C., II.
 *Sultan Ali, L.C., II.
 *Ram Parshad Takyar, L.C., II.
 Abhay Singh Akali, L.C., II.
 Balak Ram Khanna, L.C., II.
 *Behari Lal Kapur, L.C., II.
 *Hamid Ullah Khan, L.C., II.
 *Syed Khursheed Ali, L.C., II.
 Nand Lal Bhalla, L.C., II.
 Nazar Mohammad Khan, L.C., II.
 Prem Sukh Mohunta, L.C., II.
 Kanwar Sita Ram, L.C., II.
 *Manohar Dutt Sharma, L.C., II.
 Raghubir Das, L.C., II.
 *Jangi Lal Oswal, L.C., II.
 Mani Ram Arora, L.C., II.
 Roshan Lal Mehndru, L.C., II.
 *P. S. Nagpaul, L.C., II.
 K. N. Sawhney, L.C., II.
 *Sarup Narain Sahgal, L.C., II.
 *Tulsi Ram Chandel, L.C., II.
 *Bawa Waryam Singh, L.C., II.
 *Jagan Nath Goyal, L.C., II.
 Ram Parshad Sulhan, L.C., II.
 Harnam Singh, L.C., II.
 Bodh Raj Sharma, L.C., II.
 *Fakir Chand Rampal, L.C., II.
 Ratan Lal, L.C., II.
 Kh. Bashir Ahmad, L.C., II.

1930

Dev Datt Sharma, L.C., II.
 Abdur Rahman, L.C., II.
 Mulkh Raj Kapur, L.C., II.
 Madan Mohan Kayesth, L.C., II.
 Ahmad Khan Varaich, L.C., II.
 *Hari Ditta Katyal, L.C., II.
 Bhana Lal Thakur, L.C., II.
 Daulat Ram Kalia, L.C., II.
 Kundan Lal Malhotra, L.C., II.
 *Munshi Ghulam Muhammad, L.C., II.
 *Malik Mohd. Ashraf, L.C., II.
 *Nand Lal Sowanny, L.C., II.
 Manohar Lal Sharma, L.C., II.
 Muhammad Zafar Ali, L.C., II.
 Amar Nath Aggarwal, L.C., II.
 Mohd. Zia-ud-Din, L.C., II.
 Sohan Lal Jhanjee, L.C., II.
 Ch. Kul Bhushan Pruthi, L.C., II.
 *Ahmad Shah, L.C., II.
 *Kanwar Dalip Singh Raghu-
 vanshi, L.C., II.
 Inder Nath Bhatia, L.C., II.
 Mohammad Hussain, L.C., II.
 *Kundan Lal Luthra, L.C., II.
 Narindra Nath Bhatia, L.C., II.

1930

*Harnam Singh Pattar, L.C., II.
 Muni Lal Aggarwal, L.C., II.
 *Zahoor-ul-Hassan, L.C., II.
 Iqbal Bakhsh, L.C., II.
 *Ram Kishan Kathuria, L.C., II.
 Mohammad Shafi, L.C., II.
 Mohd. Sharif Malik, L.C., II.
 *Mohd. Anwar Khan, L.C., II.
 *Kartar Singh Nag, L.C., II.
 Manohar Singh Bhatia, L.C., II.
 *Parmanand Soni, L.C., II.
 Sh. Qamar-ud-Din, L.C., II.
 *Sampuran Singh Thind, L.C., II.
 *Madan Gopal Chowla, L.C., II.
 Amar Nath Bhardwaj, L.C., II.
 Iqbal Hussain Akhtar, L.C., II.
 *Sher Mohammad Khan, L.C., II.
 Karam Chand Bhatia, L.C., II.
 *Shanti Narain Rampal, L.C., II.
 *Bashir Ahmad Mir, L.C., II.
 *Hans Raj Mahajan, L.C., II.
 Mirza Mohd. Zaman, L.C., II.
 Mukat Narayan Dar, L.C., II.

BACHELOR OF LAW (SUPPLEMENTARY).

1930

Kundan Lal Aggarwal, L.C., I.
 Prithvi Nath Sharm, L.C., I.
 *Jiwan Kishore Jain, L.C., I.
 Bhag Chand Soni, L.C., I.
 Amar Nath Hastir, L.C., I.
 *Syed Gul Jahanian, L.C., I.
 *Hukam Chand Hans, L.C., I.
 Ram Nath Sarda, L.C., II.
 *Syed Riaz Hussain, L.C., II.

1930

Ram Parshad Menrai, L.C., II.
 *Mehr Chand Duggal, L.C., II.
 Mohd. Abdullah Dhar, L.C., II.
 Mohamed Amin, L.C., II.
 *Din Dayal Seth, L.C., II.
 Mehta Ram Swaroop Lowe, L.C., II.
 Pyare Lal Sood, L.C., II.
 Khushi Ram Arora, L.C., II.

* Not been admitted to the Degree.

1930

*Des Raj Kalucha, L.C., II.
 *Sardari Lal Sabherwal, L.C.,
 II.
 *Lakshmi Narain Monga, L.C.,
 II.
 Ishar Das Kaistha, L.C., II.

1930

Hans Raj Arora, L.C., II
 Ujagar Singh "Sandhu", L.C.,
 II.
 Sarb Rup Kohli, L.C., II.
 *Mir Ahmed Shah, L.C., II.
 Narinder Nath Diwan, L.C., II.

*List of persons upon whom Diplomas have been conferred under
 Section 14, Act XIX, 1882.*

LICENTIATES IN LAW.

Nil since 1908.

FACULTY OF MEDICINE.

*List of persons upon whom Degrees have been conferred under
 Section 14, Act XIX, 1882.*

DOCTOR OF MEDICINE.

1913

N. B. Khare, B.A., M.B.—Ordinary.

1918

Jiwan Lal, M.B.B.S.—With distinction.

1920

Yar Mohd. Khan, M.B.B.S.—With distinction.
 Het Ram Aggarwal, M.B.B.S.—Ordinary.

1921

Regbeer Singh, M.B.B.S.—With distinction.
 Mohammad Yusuf, M.B.B.S.—Ordinary.

* Not been admitted to the Degree.

1923

Dwarka Nath Kumar, M.B.B.S.—Ordinary.

1925

Madan Lal Rikhye, M.B.B.S.—Ordinary.

Jamiat Singh, M.B.B.S.—Ordinary.

 MASTER OF SURGERY.

1915

Ganesh Das Kapur, M.B.B.S.—Ordinary.

1923

*Roshan Lal Khara, M.B.B.S.—Ordinary.

 SPECIAL FINAL PROFESSIONAL EXAMINATIONS FOR M.B.B.S.

1918

Jiwan Lal.

1921

*Narbada Prasad, L.M.S.

Teeelok Chandar Nanda, L.M.S.

S. C. Roy, L.M.S.

 BACHELOR IN MEDICINE AND BACHELOR IN SURGERY.

April, 1930.

1930

D. R. Narang, K.E.M.C.

Kasturi Lal Handa, K.E.M.C.

Ivy Massick, L.H.M.C.

*Ajudhia Nath, K.E.M.C.

1930

David Satyanand, K.E.M.C.

Lawrence Jiwan Mall,

K.E.M.C.

Jagat Singh, K.E.M.C.

 * Not been admitted to the Degree.

1930

Jiwan Lata, L.H.M.C.
 B. Kamalambal, L.H.M.C.
 *Sri Kanth Shangloo, K.E.M.C.
 Dina Nath Sabharwal, K.E.M.C.
 *Man Singh, K.E.M.C.
 Aziz-ud-Din Munhas, K.E.M.C.
 Bansil Lal, K.E.M.C.
 Ghulam Rasul Cheema,
 K.E.M.C. [K.E.M.C.
 Ishwar Chander Butan,
 Hilda C. Woods, L.H.M.C.

1930

Hem Raj Singh, Ahluwalia,
 L.H.M.C.
 *Shiv Saran Gupta, L.H.M.C.
 Balbir Singh, L.H.M.C.
 Ch. Maqbul Ahmad, L.H.M.C.
 Sardri Lal Kalra, L.H.M.C.
 *Wazir Ahmad Quraishi,
 L.H.M.C.
 Zafar-i-Haq, L.H.M.C.
 Hukam Chand Dhawan,
 L.H.M.C.

October, 1930.

1930

Anant Singh, K.E.M.C.
 Udham Singh, K.E.M.C.
 Abdus Sami, K.E.M.C.
 (Miss) Doreen Stracey,
 L.H.M.C.
 Mohd. Sadiq Sheikh, K.E.M.C.
 Kushalaya Amardass, L.H.M.C.
 Kishore Chandra Anand,
 K.E.M.C.
 Mary P. John, L.H.M.C.
 Mian Mazhar Hussain,
 K.E.M.C.
 Parma Nand Sharma, K.E.M.C.
 Surjit Singh, K.E.M.C.
 *Abdul Hamid Yusufzai,
 K.E.M.C. [K.E.M.C.
 Inayat Ullah Shahab,
 S. S. Alam, K.E.M.C.
 Soshila Singh, L.H.M.C.
 Abdul Rashid, K.E.M.C.
 Bhagwan Chand Sharma,
 K.E.M.C.
 Madho Ram Sambhi, K.E.M.C.
 Tara Singh Grawal, K.E.M.C.
 Onkar Singh, K.E.M.C.

1930

S. Tirki, L.H.M.C.
 Saliha Begum, L.H.M.C.
 Abdul Samad, K.E.M.C.
 Muhanunad Sadiq, K.E.M.C.
 Bahadur Ali, K.E.M.C.
 Jagat Singh Manku, K.E.M.C.
 M. E. Curtis, L.H.M.C.
 *Gursewak Singh Sidhu,
 K.E.M.C.
 Har Kirat Singh, K.E.M.C.
 Isaac R. Nath, K.E.M.C.
 Sayad Raza Hussain Razwi,
 K.E.M.C.
 Ghulam Haider, K.E.M.C.
 Hans Raj Chadda, K.E.M.C.
 Santokh Singh, K.E.M.C.
 *Gurdit Singh, K.E.M.C.
 Ghulam Mohu-ud-Din,
 K.E.M.C.
 Baba Raghbir Singh Bedi,
 K.E.M.C.
 Bashir Hussain Sayed,
 K.E.M.C.
 *Ghulam Habeeb Siddiqi,
 K.E.M.C.

* Not been admitted to the Degree.

UNIVERSITY

1923

Dwarka Nath Kumar, M.B.B.S.—Ordinary.

1925

Madan Lal Rikhye, M.B.B.S.—Ordinary.

Jamiat Singh, M.B.B.S.—Ordinary.

MASTER OF SURGERY.

1915

Ganesh Das Kapur, M.B.B.S.—Ordinary.

1923

*Roshan Lal Khera, M.B.B.S.—Ordinary.

SPECIAL FINAL PROFESSIONAL EXAMINATIONS FOR M.B.B.S.

1918

Jiwan Lal.

1921

*Narbada Prasad, L.M.S.

Treelok Chandar Nanda, L.M.S.

S. C. Roy, L.M.S.

BACHELOR IN MEDICINE AND BACHELOR IN SURGERY.

April, 1930.

1930

D. R. Narang, K.E.M.C.

Kasturi Lal Handa, K.E.M.C.

Ivy Massick, L.H.M.C.

*Ajudhia Nath, K.E.M.C.

1930

David Satyanand, K.E.M.C.

Lawrence Jiwan Mall,

K.E.M.C.

Jagat Singh, K.E.M.C.

* Not been admitted to the Degree.

1930

Jiwan Lata, L.H.M.C.
 B. Kamalambal, L.H.M.C.
 *Sri Kanth Shangloo, K.E.M.C.
 Dina Nath Sabharwal, K.E.M.C.
 *Man Singh, K.E.M.C.
 Aziz-ud-Din Munhas, K.E.M.C.
 Bansri Lal, K.E.M.C.
 Ghulam Rasul Cheema,
 K.E.M.C. [K.E.M.C.
 Ishwar Chander Butan,
 Hilda C. Woods, L.H.M.C.

1930

Hem Raj Singh, Ahluwalia,
 L.H.M.C.
 *Shiv Saran Gupta, L.H.M.C.
 Balbir Singh, L.H.M.C.
 Ch. Maqbul Ahmad, L.H.M.C.*
 Sardri Lai Kalra, L.H.M.C.
 *Wazir Ahmad Quraishi,
 L.H.M.C.
 Zafar-i-Haq, L.H.M.C.
 Hukam Chand Dhawan,
 L.H.M.C.

October, 1930.

1930

Anant Singh, K.E.M.C.
 Udham Singh, K.E.M.C.
 Abdus Sami, K.E.M.C.
 (Miss) Doreen Stracey,
 L.H.M.C.
 Mohd. Sadiq Sheikh, K.E.M.C.
 Kushalaya Amardass, L.H.M.C.
 Kishore Chandra Anand,
 K.E.M.C.
 Mary P. John, L.H.M.C.
 Mian Mazhar Hussain,
 K.E.M.C.
 Parma Nand Sharma, K.E.M.C.
 Surjit Singh, K.E.M.C.
 *Abdul Hamid Yusufzai,
 K.E.M.C. [K.E.M.C.
 Inayat Ullah Shahab,
 S. S. Alam, K.E.M.C.
 Soshila Singh, L.H.M.C.
 Abdul Rashid, K.E.M.C.
 Bhagwan Chand Sharma,
 K.E.M.C.
 Madho Ram Sambhi, K.E.M.C.
 Tara Singh Grawal, K.E.M.C.
 Onkar Singh, K.E.M.C.

1930

S. Tirki, L.H.M.C.
 Saliha Begum, L.H.M.C.
 Abdul Samad, K.E.M.C.
 Muhammad Sadiq, K.E.M.C.
 Bahadur Ali, K.E.M.C.
 Jagat Singh Manku, K.E.M.C.
 M. E. Curtis, L.H.M.C.
 *Gursewak Singh Sidhu,
 K.E.M.C.
 Har Kirat Singh, K.E.M.C.
 Isaac R. Nath, K.E.M.C.
 Sayad Raza Hussain Razwi,
 K.E.M.C.
 Ghulam Haider, K.E.M.C.
 Hans Raj Chadda, K.E.M.C.
 Santokh Singh, K.E.M.C.
 *Gurdit Singh, K.E.M.C.
 Ghulam Mohi-ud-Din,
 K.E.M.C.
 Baba Raghbir Singh Bedi,
 K.E.M.C.
 Bashir Hussain Sayed,
 K.E.M.C.
 *Ghulam Habeeb Siddiqi,
 K.E.M.C.

* Not been admitted to the Degree.

*List of persons upon whom Diplomas have been conferred under
Section 14, Act XIX, 1882.*

LICENTIATE IN MEDICINE.

*Nil since 1918.

COMMERCE FACULTY.

BACHELOR OF COMMERCE.

1930	1930
Shankar Das Vidyarthi, H.C., I.	Raghunath Gupta, H.C., II.
Bal Mokand Piplani, H.C., II.	Harbans Lall Bhugra, H.C., II.
Tarlok Chand Kher, H.C., II.	Ch. Rahmat Ali, H.C., II.
Bhagwan Dass Kataria, H.C., II.	Himat Singh, H.C., II.
†Narindar Singh Pruthi, H.C., II.	†Parduman Singh, H.C., II.
Mehta Dharm Bir, H.C., II.	†Uttam Chand Mullick, H.C., II.
Dyal Dass Kalra, H.C., II.	Shanti Lal Sahni, H.C., II.
Chandar Parkash, H.C., II.	Dharam Dev, H.C., II.
Nand Kishore, H.C., II.	†Anant Ram Randa, H.C., III.
Chet Ram Aggarwal, H.C., II.	Sikander Lal Latawa, H.C., III.
Gosain Chetan Dass, H.C., II.	Davinder Nath Bazaz, H.C., III.
Dharam Parkash Aggarwal, H.C., II.	Utam Singh, H.C., III.
	Hardev Lall Bir, H.C., III.
	Mohd. Yacoob Kelley, H.C., III.

BACHELOR OF COMMERCE (SUPPLEMENTARY).

1930	1930
Labhu Ram Aggarwal, H.C., II.	Kanwar Bhan, H.C., II.
Raghu Nath Kumar, H.C., II.	Mohan Lal Douggle, H.C., III.

* For Diplomas conferred up to 1917, please refer to Panjab University Calendar, Part II (1921-22).

† Not been admitted to the Degree.

FACULTY OF ORIENTAL LEARNING.

*List of persons upon whom Diplomas have been conferred under
Section 14, Act XIX, 1882.*

HONOURS IN SANSKRIT (Shastri), 1930.

1930

Lal Chandar Sharma Kamleya,
R.B. Gagar Mal's Sanskrit
Pathshala, Amritsar, I.
Rama Nand, Lahore, I.
Suresh Chandra, R.B. Gagar
Mal's Sanskrit Pathshala,
Amritsar, II.
Ram Sarup, Lahore, II.
Hira Nand Sharma Parashara,
O.C., II.
Sita Ram Sharma, Rawalpindi,
II.
Jai Chandra Vidyarthi, O.C.,
II.
Chuni Lal, Lahore, II.
Shanta, Jhelum, II.
Surya Mani Sharma, R.B. Gagar
Mal's Sanskrit Pathshala,
Amritsar, II.
Satya Prakash Varma, Kapur-
thala, II.
Hari Nath, S.D.C., II.
Sita Ram Sahgal, O.C., III.
Swami Krishan Das, Lahore,
III.
Karshni Naram Das, S.D. Sans-
krit College, Multan, III.
Shiv Dayalu Sharma Bhardwaj,
S.D. Sanskrit College, Multan,
III.
Gopi Chandra Sharma Gaur,
Lahore, III.
Ram Swarup Sharma, R.B.
Gagar Mal's Sanskrit Path-
shala, Amritsar, III.
Nand Kishore Sharma, S.D.
Sanskrit College, Multan, III.
Mahendra Singh, Rawalpindi,
III.
Vishwanubhar Datt Sharma,
O.C., III.

1930

Vasu Dev Varma, S.D. Sans-
krit College, Multan, III.
Durga Datt Sharma, Hazara,
III. [III.
Mahendra Nath Rai, Amritsar,
Nathu Ram Sharma, O.C., III.
Piare Lal Sharma (Snadya).
S.D. Pathshala, Jind, III.
Sri Pati Chaturvedi, S.D.C.,
III.
Balbir, Lahore, III.
Chhman Lal Sharma, Dera
Ismail Khan, III.
Ayodhya Prasad Sharma Anar,
Hissar, III.
Ramesh Vachaspati, Amritsar,
III.
Sita Ram Sharma, Hissar, III.
Bhuri Datt Sharma 'Pipalva',
Ferozepur, III.
Shambhu Datt Sharma 'Kau-
shik', Kapurthala, III.
Krishan Datt Sharma Kashaypa,
R.B. Gagar Mal's Sanskrit
Pathshala, Amritsar, III.
Narayan Datt Raina, Lahore,
III.
Dev Raj Sharma Deshbandhu,
O.C., III.
Bal Krishna Sharma, Hoshiar-
pur, III.
Gobind Lal Sharma, S.D. Path-
shala, Hoshiarpur, III.
Yogi Raj Sharma, S.D.C., III.
Hukam Chandra Sharma, Dera
Ismail Khan, III.
Uma Shankar Sharma, R.C.,
III.
Milkhi Ram Gargya, R.B.
Gagar Mal's Sanskrit Path-
shala, Amritsar, III.

1930

- M. V. Chandra, S.D.C., III.
 Shiv Charan Sharma, Ferozepur, III.
 Parma Nand Sharma (Bhardwaj) Kapurthala, III.
 Janki Prasad Sharma Joshi, Kapurthala, III.
 Devendra Nath Sharma Tejpal, Kapurthala, III.
 Divakar Datta, S.D.C., III.
 Ved Vrat, Lahore, III.
 Rishi Ram Sharma, Jullundur, III.
 Nrisingh Dev Sharma, S.D.C., III.
 Giri Dhar Sharma, S.D. Sanskrit College, Multan, III.
 Madhwa Nand Sharma Joshi, R.C., III.
 Jage Ram Sharma, S.D. Pathshala, Jind, III.
 Khushi Ram Varma, Dera Ismail Khan, III.
 Arya Nand Sharma, Ambala, III.
 Vishwa Nath Sharma Shukla, O.C., III.
 Chhabil Datt Sharma, R.B. Gagar Mal's Sanskrit Pathshala, Amritsar, III.
 Sita Ram Sharma, Gujranwala, III.
 Wazira Ram Sharma, Hoshiarpur, III.

1930

- Naraindra Pal Varma, S.D.C., III.
 Puran Chander Sharma Nager, Hoshiarpur, III.
 Ram Sarup Sharma, Ferozepur, III.
 Ishwari Datt Sharma, O.C., III.
 Sudarshan Sharma, S.D.C., III.
 Chandra Shekhar Sharma, Patiala, III.
 Janak Raj Sharma, Ludhiana, III.
 Ram Sarup Sharma, Kapurthala, III.
 Bhagwan Das Vatsya, Montgomery, III.
 Thandi Ram Sharma 'Khang', Ferozepur, III.
 Tulsi Ram Purohit, R.B. Gagar Mal's Sanskrit Pathshala, Amritsar, III.
 Jagan Nath, S.D.C., III.
 Brahma Nand Sharma, Peshawar, III.
 Parmeshwari Datt Sharma, R.B. Gagar Mal's Sanskrit Pathshala, Amritsar, III.
 Hari Dev Sharma, Hoshiarpur, III.
 Raiba Dhar Sharma Dhobbal, S.D.C., III.
 Charan Das Sharma, S.D. Sanskrit College, Multan, III.
 Phalgu Datt Sharma, Lahore, III.
 Navnit Sharma, Peshawar, III.

HONOURS IN ARABIC (Maulvi Fazil), 1930.

1930

- Ata-ur-Rahman, Jamia Ahmadiyya, Qadian, II.
 Qazi Abdul Qayum, O.C., II.
 Sayed Ahmad Raza, Karnal, III.
 Mir Mohammad-ul-Rai, Bahawalpur, III.

1930

- Syad Mohammad Yusaf, Lahore, III.
 Abdul Khaliq, O.C., III.
 M. Abdullah Khan, O.C., III.
 Iqbal-ud-Din, Jamia Ahmadiyya, Qadian, III.

1930	1930
Ghulam Mustafa Drawi Kash- miri, O.C., III.	Dil Mohammad, Jamia Ahma- diyya, Qadian, III.
Abu-ul-wafa Shakeel Ahmad Aflaki, Lahore, III.	Mohammad Massum, Shahpur, III.
Ahmad Hassan, O.C., III.	Muhammad Abdullah, Jamia Ahmadiyya, Qadian, III.
Hafiz Mohammad Din, Lahore, III.	Mohammad Ilam-ud-Din, Campbellpur, III.
Abdul Qaddus, Lahore, III.	Nazir Hussain Meeruthi, O.C., III.
Yusaf Shah, Jamia Ahmadiyya, Qadian, III.	Muhammad Nazir, Jamia Ahma- diyya, Qadian, III.
Mohammad Hanif Khan, Ambala, III.	

HONOURS IN PERSIAN (Munshi Fazil), 1930.

1930	1930
Mohammad Hussain Butt, Ludhiana, I.	Inam Ullah Khan Nasir, Lahore, II.
Mohammad Abdul Haiy, Lahore, I.	M. Abdul Alim Piracha, Rawal- pindi, II.
Agha Mohd. Baqir Salmani, Lahore, II.	Sayed Tahzib Hassan Urfan, Ludhiana, II.
Mohammad Shafi, Jhelum, II.	Radha Krishan, Lahore, II.
Sayed Wali Shah Indrabi, Sial- kot, II.	Mahmud-ul-Aziz Minhas, Guj- ranwala, III.
Mohd. Anwar-ul-Hassan Qureshi, Lahore, II.	Nur-ud-Din, O.C., III.
Altaf Hussan Shah, Mianwali, II.	Mirza Anwar Hussain Reihan, Ludhiana, III.
(Abu-ul Khair) Abdullah, Lahore, II.	Amar Nath Khanna, Lahore, III.
Khurshid Ali Noor, Jullundur, II.	Mohammad Hussain, Gujran- wala, III.
Zabaida Begum, Lahore, II.	Qureshi Nazir Ahmad Shah, Gujrat, III.
Syed Hamid Shah Nadvi, Lahore, II.	Karam Chand Bhandari, Lahore, III.
Nazir Ahmad, Kashmir, II.	Rashid Ahmad, Gujranwala, III.
Ijaz Hussain, Lahore, II.	[III.
Mohammad Ishaq Chughtai, Lahore, II.	Mohammad Ashraf, Lahore, Sayed Azhur Hassan Zaidi, Lahore, III.
Ghulam Rasul Khan, Karnal, II.	Abdullah, Sheikhpura, III.
Mohammad Hanif, Gurdaspur, II.	Mir Dilawar Ali Zabit, Lahore, III.

1930

Said Ahmad, Lahore, III.
 Dhani Ram Bedi, Jullundur, III.
 Fateh Mohammad Khan Arshad, Shahpur, III.
 Mohammad Hussain, Amritsar, III.
 Abdul Rahman Saeed, Lyallpur, III.
 Mir Ghulam Rasul, Lahore, III.
 Mian Mohammad, Shahpur, III.
 Ram Bheja Mal, Lahore, III.
 Masud Ahmad, Lahore, III.
 Amar Nath Chopra, Lyallpur, III.
 Mohammad Khalil Ullah Siddiqi, Lahore, III.
 Noor Khan Afroz, Lyallpur, III.
 Syed Mohamunad Ashraf, O.C., III.
 Abdul Hakim, Lahore, III.
 Chowdhri Tufail Mohd., Sheikhpura, III.
 Yunas Hussain, Lahore, III.
 Mohammad Sharif Sajid, Amritsar, III.
 Adalat Zar Khan, Jhelum, III.
 Shuja-ud-Din Saddiqi, Lahore, III.
 Islam-ul-Haq, Lahore, III.
 Ahmad-ud-Din, Jammu, III.
 Sayed Fazal Hussain Bukhari, Lahore, III.
 Abdul Ghafur Saleem, Lahore, III.
 Mohammad Moosa, Lahore, III.
 Nazir Ahmad Khan, Attock, III.
 Saddiq Ahmad Khan, Peshawar, III.
 Mohamunad Inayat Ullah, Lahore, III.
 Ch. Ahmad Khan Shahbaz, Attock, III.
 Mohammad Raza, Attock, III.
 Ume Kulsoom, Ludhiana, III.

1930

Ghulam Mustafa, Dar-ul-Alum Hanfia, Kasur, III.
 Ch. Abdul Wahab, Gurdaspur, III.
 Mirza Zahid Hussain, Lahore, III.
 Mohamunad Abdul Hamid, Lahore, III.
 Sh. Mohammad Yusaf, Peshawar, III.
 Mohamunad-ud-Din Fauq, Amritsar, III.
 Atta Ullah Khan, Gujranwala, III.
 Sher Mohamunad Shah, Mianwali, III.
 Syed Abdul Baqi Shattari, Lahore, III.
 Ch. Mohammad Akram, Gujrat, III.
 Syed Ali Zaidi, O.C., III.
 Hafiz Muhammad Alim Shah, Dar-ul-Alum Hanfia, Kasur, III.
 Khaliq Ahmud, Nabha, III.
 Mohamunad Amin Ali, Amritsar, III.
 Jamal-ud-Din 'Mahmud', Amritsar, III.
 Ghulam Asghar Mahmud, Sheikhpura, III.
 Shivaji Batt, Kashmir, III.
 Amin Ullah Khan, Gujranwala, III.
 Mohammad Said, Gujrat, III.
 Mohammad Fazl-ur-Rahman, Lahore, III.
 Qazi Ahmad (Rashidi), Lahore, III.
 Bahadur Khan, Attock, III.
 Ahmad Khan Taunsvi, Dera Ghazi Khan, III.
 Pir Bakhsh, Dera Ghazi Khan, III.
 Haji Mohd. Bashir Ahmad, Dar-ul-Alum Hanfia, Kasur, III.

1930

Mohd. Abdul Khaliq, Lahore, III.
 Karam Ilahi, O.C., III.
 Muhammad Sadiq Sadiq, Sheikhpura, III.
 Khushi Mohd., Sheikhpura, III.
 Sayed Farman Shah, Attock, III.
 S. M. Amin, Lahore, III.
 Noor-ul-Haq, Peshawar, III.
 Ghulam Qadir, Shahpur, III.
 Hafiz Gohar Din, Gurdaspur, III.
 Syed Ali Akbar Shah Hamdani, Jammu, III.
 Abdul Razaq, O.C., III.
 Abdul Hamid Zia, O.C., III.
 Muhammad Abdullah, Attock, III.
 Amir Hamza, Attock, III.
 Mirza Mustafa Ali Hamdani, O.C., III.
 Syed Riaz Ali, Lahore, III.
 Habib Ullah, Sialkot, III.
 Hafiz Muhammad Latif, Dar-ul-Alum Hanfia, Kasur, III.
 Amrik Singh Bhutan, Lahore, III. [III.
 Muhammad Tufail, Lahore, III.
 Sayed Muzahar Hussain, Lahore, III.
 Sayed Barkat Shah, Lahore, III.
 Muhammad Ramzan, Shahpur, III.
 Muhammad Khan Salih, Attock, III.
 Ali Muhammad Qadri, Lyallpur, III.
 Said Fardos Shah, Dar-ul-Alum Hanfia, Kasur, III.
 Abdul Majid, Sialkot, III.
 Pirzada Said Mazhar Hassan, Ludhiana, III.
 Muhammad Shafi, Lahore, III.
 Ghulam Rasul, Montgomery, III.

1930

Muhammad Abdul Rahman Khaki, Muzaffargarh, III.
 Nabi Bakhsh, Lahore, III.
 Hamid Ullah Khan, Attock, III.
 Abdul Hakim, Mianwali, III.
 Sayed Marghub Ahmad, Lahore, III.
 S. Sagheer Hussain Shah, Rawalpindi, III.
 Abdul Qader, Montgomery, III.
 Syed Dil Mohammad Faza, Jullundur, III.
 Abdul Aziz, Jhang, III.
 Habib Ullah Butt, Simla, III.
 Dev Raj Gupta, Hoshiarpur, III.
 Atta Ilahi Grewal, Ludhiana, III.
 Ahmad-ud-Din Masud, Sheikhpura, III.
 Gurudas, Bannu, III.
 S. H. M. Hinyat Ali, Lahore, III.
 Ilahi Bakhsh, Ambala, III.
 Mohammad Shafi, Lahore, III.
 Faiz Mohammad Khan, Bannu, III.
 Mohammad Nasirud Din, Lahore, III.
 Nandu Ram Dalal, Rohtak, III.
 Mahmud Hussain Quraishi, Lahore, III.
 Mohammad Abdullah Naisan, Lahore, III.
 Gul Mohammad, Rawalpindi, III.
 Ghulam Mohammad Qadri, Kashmir, III.
 Mohammad Alim, Montgomery, III.
 Noor Mohammad, Karnal, III.
 I. M. Khan, Jullundur, III.
 Mohammad Hussain, Amritsar, III. [III.
 Abdul Rashid Khan, Ludhiana, III.
 Bhavesh Chandra Musafir, Multan, III.

1930

- Faqir Mohammad, Peshawar, III. [III].
 Gul Ahmad Khan Rafiq, Lahore, Mohammad Sadiq Khan, Gujranwala, III.
 Jalal-ud-Din, Shahpur, III.
 Mohammad Yar Khan Nasir, Attock, III.
 Ghulam Hassan Ghaury, D.I. Khan, III.
 Sayed Abu-ul Hassan Saif Shadani, Lahore, III.
 Atta Muhammad, Lahore, III.
 Amjad Hussain, Gujranwala, III.
 Balmokand Varina Kochhar, Patiala, III.
 Amir Bakhsh, Multan, III.
 Ali Muhammad, Amritsar, III.
 Barkat Ahmad Khan, Lahore, III.
 Abu Zafar Qudrat Ullah Ansari, Lahore, III.
 Hakim Ghulam Nabi, Amritsar, III.
 Sheikh Munir Hussain, Gujranwala, III.
 Sayed Ijaz-ud-Din, Lahore, III.
 Sayed Mohd. Fazil Zaidi, Lahore, III.
 Sayed Zawar Husain Taib, Lahore, III.
 Ahmad Yar Alrai, Bahawalpur, III.
 Sayed Manzoor Hussain Zaidi Fitrat, Jhang, III.
 Syed Mohammad Asghar, Kohat, III.
 Mohammad Said, Peshawar, III.
 Sher Afghan Khan Arshi, Ludhiana, III.
 Mohammad Said, O.C., III.
 Mohammad Nasir-ud-Din Khan, Kashmir, III.
 Malik Mohammad Nawaz, Dera Ismail Khan, III.
 Vishnu Gopal Nagham, Delhi, III.
 Raja Sultan Zahur Mohd. Khan, O.C., III.
 Faqir Syed Mumtaz Hussain, Sheikhpura, III.
 Abdul Rahman, Ferozepore, III.
 Hafiz Sayed Mohd. Saidul Hassan, Lahore, III.
 Muhammad Khalil Khan, Lahore, III.
 Ghulam Mohammad Naz, Jhang, III.
 Ramji Lal, Karnal, III.
 Mohammad Abdul Sattar Sadiqi, Lahore, III.
 Hotu Ram Kumar, Dera Ghazi Khan, III.
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1931.

FACULTY OF ORIENTAL LEARNING.

MASTER OF ORIENTAL LEARNING, 1931.

(Under Regulation 12, Calendar Page 157.)

‡Bahadur Chand Shastri, Lahore.*
 Shuchi Vrat Lakhanpal, Lahore.
 Raghunandan Shastri, Lahore.
 Hasan-ud-Din, Lahore.
 †Abdul Rahim, Lahore.
 Abdul Hamid, Lahore.
 Ram Bheja Mall, Lahore.
 †Jan Mohammad, Sheikhpura.
 Gulam Jilani Barque, Attock.
 †S. M. Siddiq, Bijnor.
 †Saiyyad Ghaus, Hyderabad.

BACHELOR OF ORIENTAL LEARNING, 1931.

Din Mohd. Fakhir, Amritsar, II.
 †Siraj-ud-Din Sahee, Sheikhpura, III.

FACULTY OF ARTS.

DOCTOR OF LITERATURE.

1919

Mohd. Sadr-ud-Din, M.A., Lahore.

1926

B. R. Chatterji, Calcutta.

1928

Hirananda Shastri, Ootacamund.

* Where simply the name of a district is given the candidate was a Private Student of that district.

† Not been admitted to the Degree.

MASTER OF ARTS.

1931

Abdulla Khalid Malik, G.C.,
English, II.
M. A. Latif, G.C., English, II.
*Som Nath, G.C., English, II.
Muhammad Afzal Khan, G.C.,
English, II.
Radha Krishna, G.C., English,
II.
Roshan Lal Ahuja, Lahore,
English, II.
Jawand Singh, F.C.C., English,
III.
Trilok Nath Grover, F.C.C.,
English, III.
*Jai Chand Ragtah, G.C., Eng-
lish, III.
Sundar Lal, G.C., English, III.
*Indra Pal Singh, F.C.C., Eng-
lish, III.
Dharm Vir, G.C., English, III.
*W. S. Bebrow, F.C.C., Eng-
lish, III.
*Sant Singh Sekhon, Lyallpur,
English, III.
*Satya Prakash, F.C.C., Eng-
lish, III.
*Gopi Chand, F.C.C., English,
III.
Siri Ram Vadehra, Lahore,
English, III.
*Karm Singh, F.C.C., English,
III.
*Bal Krishna Goswami, G.C.,
English, III.
*Durga Dass Sharma, F.C.C.,
English, III.
Murari Lal Parashar, F.C.C.,
English, III.
Charanjit Singh Bindra, G.C.,
English, III.
Mulkh Raj Duggal, Gurdaspur,
English, III.
*Mulkh Raj Puri, G.C., English,
III.

1931

Ranjit Singh Kapila, F.C.C.,
English, III.
*Surendra Singh, F.C.C., Eng-
lish, III.
M. Habib-ur-Rahman, F.C.C.,
English, III.
M. Saleem, F.C.C., English,
III.
Janki Nath Anand, Lahore,
English, III.
Sita Ram Ghai, Gujrat, Eng-
lish, III.
*Bahadur Chand, O.C., Sans-
krit, I.
Vashisht, O.C., Sanskrit, II.
Vachaspati, D.A.-V.C., Sans-
krit, II.
Yash Pall Tondon, D.A.-V.C.,
Sanskrit, II.
Kirti Ram Sharma, S.D.C.,
Sanskrit, III.
Lakshmi Shankar Bhatnagar,
O.C., Sanskrit, III.
Sakha Ullah Khwaja, I.C.,
Arabic, I.
Ghulam Gilani Barque, I.C.,
Arabic, I.
*Maulvi Ahmad Shah, Kashmir,
Arabic, II.
Hasan-ud-Din, Lahore, Arabic,
III.
Hira Lal Chopra Hafizabadi,
O.C., Persian, I.
*Mohan Singh Mahir, O.C.,
Persian, II.
*Ghulam Yasin Khan Niaji,
O.C., Persian, II.
Abdul Hamid, Lahore, Persian,
III.
Syed Ibne Hasan Razvi, I.C.,
Persian, III.
Ram Bheja Mall, Gurdaspur,
Persian, III.

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- Agha Mohd. Baqir Salmani, G.C., Persian, III.
 *Labh Singh Kalra, O.C., Persian, III.
 *Abdul Rahim, I.C., Persian, III.
 Irshad Mohd. Quresbi, Ludhiana, Persian, III. [III.
 Mohd. Amin, Lahore, Persian, Sheikh Mohammad Iqbal, Lahore, Persian, III.
 Sundar Das, Gujrat, Persian, III.
 *Nawab Din, Multan, Persian, III.
 Kumar Krishna Mitra, G.C., Mathematics, I.
 *Kailash Chandra Deveshera, G.C., Mathematics, I.
 *Nasir-ud-Din, I.C.P., Mathematics, I.
 Nauhria Ram, G.C., Mathematics, I.
 *Mohan Lal Jain, F.C.C., Mathematics, II.
 Kanwar Kishan Dar, G.C., Mathematics, II.
 Abdullah Khan, G.C., Mathematics, II.
 Abdul Aziz, Lahore, Mathematics, III.
 *Nasir-ud-Din, G.C., Mathematics, III.
 *K. Gul Mohd., I.C.P., Mathematics, III.
 Uttam Chand Popli, G.C., Mathematics, III.
 Harbans Lal Sekhri, F.C.C., Mathematics, III.
 Om Parkash S. Chawla, F.C.C., Mathematics, III.
 Siri Ram Chaddha, F.C.C., Mathematics, III.
 *Mohammad Hassan, Lahore, Mathematics, III.

1931

- Labhu Ram Malhan, G.C., Mathematics, III.
 *Shiv Sharan Sharma, G.C., Mathematics, III.
 Karam Shah, Rohtak, Mathematics, III. [matics, III.
 Habib Ullah Ch., G.C., Mathematics, I.
 Lakhpat Rai Sethi, G.C., History, I.
 *Moti Lal Kathju, F.C.C., History, I.
 Prem Nath Kripal, G.C., History, I.
 Bool Chand Mittal, G.C., History, I.
 Prem Chand Malhotra, F.C.C., History, II.
 *Parkash Chand Chopra, G.C., History, II.
 Malik Har Dev Bahri, G.C., History, II.
 *Baha-ud-Din Ahmed, G.C., History, II.
 *Ram Naran Chandna, G.C., History, II.
 *Brijinder Singh Sodhi, G.C., History, II.
 Abdul Hamid, F.C.C., History, II. [II.
 Gurdial Singh, G.C., History, *Mohd. Raza Khan, G.C., History, III.
 Ghulam Sarwar Khan, G.C., History, III.
 Ch. Mohd. Said, F.C.C., History, III.
 Kali Sharan Pandit, G.C., History, III.
 Vas Dev, F.C.C., History, III.
 Brij Mohan Lal Ahuja, Lahore, History, III.
 Chatter Sain Sethie, F.C.C., History, III.
 Mohammed Azam, G.C., History, III.

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1931

- Chandan Lal, G.C., History, III.
 *Syed Mohammad Haider, G.C., History, III.
 Mangal Singh, F.C.C., History, III.
 Narain Das Nangia, G.C., History, III.
 Randhir Singh, G.C., History, III.
 Sampuran Singh, G.C., History, III.
 Amolak Ram Malhotra, G.C., History, III.
 Chowdhari Mohammad Hussain, G.C., History, III.
 *Mohammad Akbar Khan, G.C., History, III. [III.
 *Bhagat Singh, G.C., History, Raghbir Sarup Bhatnagar, G.C., History, III.
 Fazl-i-Ahmad, Gurdaspur, History, III.
 S. K. Luthera, Lahore, History, III. [III.
 *Safdar Ali, F.C.C., History, Karan Chand Acharya, G.C., History, III.
 Hans Raj, Gujrat, Economics, II.
 *Suchamoyee Erind Sen Gupta, G.C., Economics, II.
 Hari Shankar Kaicker, G.C., Economics, II.
 Dev Prakash Berry, D.A.-V.C., Economics, II.
 *Gurcharn Dass Ohri, G.C., Economics, III.

1931

- *Harbans Singh Chima, G.C., Economics, III.
 Ch. Ghulam Ahmad, Lahore, Economics, III.
 Abdul Bashir Azari Ginai, I.C., Economics, III.
 *Fazl Mohammad Afzal, G.C., Economics, III.
 A. Khurshid Hashmie, Lahore, Economics, III.
 *(Miss) Kamla Devi, Dehra Dun, Economics, III.
 Manohar Singh, Poona, Economics, III.
 S. M. Ishfaq Ali, Lahore, Economics, III.
 Bhagwan Singh Chawla, G.C., Economics, III.
 Karta Ram Dutt, F.C.C., Economics, III.
 *Gulzar Singh Bhomia, F.C.C., Economics, III.
 *Kapur Singh, G.C., Philosophy, II.
 Sher Singh Gyani, Sialkot, Philosophy, III.
 *Bhagat Ram Anand, Peshawar, Philosophy, III.
 *K. M. Niaz, G.C., Philosophy, III.
 Mohd. Hamid-ud-Din, G.C., Psychology, II.
 *Vidya Sagar Bhatia, G.C., Psychology, II.
 Jaswant Singh, F.C.C., Psychology, II.
 *Baldev Chadha, F.C.C., Psychology, III.

* Not been admitted to the Degree.

BACHELOR OF ARTS.

1931

Madan Lal Kochhar, G.C., I.
 Jagjit Singh, (Honours in Mathematics A), G.C., I.
 Kundan Lal Ghei, (Honours in English), G.C., I.
 Shanti Narayan, (Honours in Mathematics B), D.A.-V.C., I.
 Pran Nath Bhalla, (Honours in Physics), G.C., I.
 Hari Das Dhir, (Honours in English), G.C., I.
 Roshan Lal Bhatia, D.A.-V.C., I.
 Har Charan Das Loomba, (Honours in English), F.C.C., I.
 Shanti Sarup Jolly, (Honours in Mathematics B), D.A.-V.C., I.
 Diwan Tulsi Das Katyal, (Honours in Mathematics A), F.C.C., I.
 Hari Dev Shourie, (Honours in Physics), G.C., I.
 Siri Ram Sethi, D.A.-V.C., I.
 Gurbachan Singh, 'Talib', K.C., I.
 Jagdish Chand Jhanji, (Honours in English), F.C.C., I.
 Rashid-ud-Din, (Honours in English), G.C., I.
 *Ram Lal Basur, (Honours in English), P.W.C., I.
 Mani Ram Aggarwal, (Honours in Mathematics A), F.C.C., I.
 Zahur-ud-Din, (Honours in Mathematics A), I.C., I.
 Abdur Rahman Khawaja, (Honours in Physics), G.C., I.
 Ata Ullah, (Honours in English), F.C.C., I.

1931

Brij Lal Marwaha, (Honours in Mathematics B), D.A.-V.C., I.
 Des Raj Dhamij, F.C.C., I.
 Vir Bhan, F.C.C., I.
 Gurdial Singh Khosla, (Honours in English), G.C., I.
 Kishori Lal Puri, (Honours in Physics), F.C.C., I.
 Kanwar Kishen, G.C., I.
 Nasim Hasan, (Honours in Arabic), G.C., I.
 Charanjiv Lal, D.A.-V.C.J., I.
 Indra, Gujranwala, I.
 Trilochan Nath, D.A.-V.C., I.
 Din Dayal, F.C.C., I.
 Sh. Mohd. Rafi Maggoon, (Honours in English), K.C., I.
 Amrit Lal Sahgal, (Honours in Mathematics B), D.S.C., I.
 Hans Raj Mincha, F.C.C., I.
 Taj Ali Qureshi, M.C., I.
 Shanti Narain Bhatnagar, D.S.C., I.
 Anand Parkash Nand, (Honours in English), G.C., I.
 Jagat Ram, G.M.C., I.
 Ishwar Das, Talwar, G.C., I.
 Har Krishan Lal Sabharwal, G.M.C., I.
 *Harish Chandra Vijh, D.S.C., I.
 Kazi Bashir Ahmad, D.S.C., I.
 Ram Nath Chitkara, F.C.C., I.
 Prem Chand Sud, F.C.C., I.
 Patrick Thomas Brocken, F.C.C., I.
 *Shamboo Nath, Raina, S.P.C., I.
 Jagjit Singh, K.C., II.
 N. A. Razvi, G.C., II.
 U. M. Saleem Farani, (Honours in Arabic), G.C., II.
 Zafar Ali Gondal, G.C., II.

* Not been admitted to the Degree.

1931

Mohammed Amin, (Honours in English), G.M.C., II.
 Patanjali Hari Mahesh, F.C.C., II.
 Hukum Chand, Sharma, D.A.-V.C., II.
 Harkishan Singh, (Honours in History), G.C., II.
 Sita Ram, Sharma, Rohtak, II.
 *Mohammad Siddique, Lahore, II.
 Bhim Sen, (Honours in Sanskrit), D.A.-V.C., II.
 Des Raj Seem, (Honours in History), S.D.C., II.
 Lok Nath, Thakar, F.C.C., II.
 Shakunt Lal, Lyallpur, II.
 Raj Pal, D.A.-V.C., II.
 Hari Krishan, Chaudhri, (Honours in Mathematics A), G.C., II.
 Sher Mohd. Hamid, (Honours in Persian), G.C., II.
 Ram Prasad Sharma, (Honours in English), S.D.C., II.
 Jagannath, Sardana, F.C.C., II.
 *Nasir Ahmad, I.C., II.
 Balak Ram, Kamal, D.A.-V.C.J., II.
 Banarsi Das (Verma), D.A.-V.C., II.
 *Jagdish Rai, Tandon, D.A.-V.C., II.
 Ranbir Singh, Ahluwalia, (Honours in History), G.C., II.
 Ranjit Singh, Ambala, II.
 Sh. Abdul Ghafoor, G.C., II.
 Mohd. Amjad Ali, (Honours in Physics), G.C., II.
 Dul Bhushan, (Honours in History), G.C., II.
 *Man Singh, D.A.-V.C., II.

1931

Jai Dev Nayar, F.C.C., II.
 Abdul Salim, Khan, G.C., II.
 *Mian Ghulam Rasul Kazim, (Honours in Arabic), G.C., II.
 Mian Mohammad, Yaqub, (Honours in History), G.C., II.
 Amar Nath, Sharma, S.D.C., II.
 Jagdish Chandra, Nagpal, G.C., II.
 Mariam Inait Hussain, K.G.C., II.
 *Bishan Dutt Wadhwa, (Honours in Mathematics B), D.A.-V.C., II.
 Ch. Abdul Hamid, (Honours in Arabic), G.C., II.
 Bishambar Nath Bhatia, (Honours in English), G.C., II.
 Waryan Singh Bakhshi, G.M.C., II.
 Hari Krishan Lal Sethi, D.A.-V.C.J., II.
 Girdhari Lal Puri, (Honours in Physics), G.C., II.
 *Dina Nath Dhamija, G.C., II.
 Des Raj Jain, F.C.C., II.
 Mohammad Abdullah, I.C.P., II.
 Desh Bandhu, (Honours in Sanskrit), D.A.-V.C., II.
 Krishan Gopal Soni, (Honours in English), F.C.C., II.
 Sarwan Lal Khanna, (Honours in Economics), G.C., II.
 *Muhammad Jan Khan, I.C., II.
 Bal Krishna Madan, (Honours in Economics), D.A.-V.C., II.
 Atam Prakash, (Honours in Mathematics A), F.C.C., II.
 Mirza Agha Hussain Beg, (Honours in English), D.A.-V.C.J., II.

1931

- Sant Ram Sharma, (Honours in English), S.D.C., II.
 Lekh Ram, (Honours in Economics), S.D.C., II.
 Radh Krishan Dhingra, (Honours in Physics), D.A.-V.C., II.
 Trilochan Singh, Rangar, G.C., II.
 *Kirpa Ram Gupta, P.W.C., II.
 Chandi Prasad Dabral, S.D.C., II.
 Sohan Lal Gandhi, G.M.C., II.
 Ram Saran Sawhney, G.M.C., II.
 Bansī Lal Sharma, (Honours in History), D.A.-V.C., II.
 Faiz Ahmad, (Honours in Arabic), G.C., II.
 Surrendro Nath Chopra, G.C., II.
 Murari Lal Puri, (Honours in History), G.C., II.
 Nawabzada Mohamad Khan Leghari, G.C., II.
 M. A. Latif Soofi, Mry.C., II.
 Sujan Singh, (Honours in English), K.C., II.
 Bhém Sen Puri, D.A.-V.C., II.
 Sarban Nath Sang, (Honours in English), D.S.C., II.
 Maharaj Krishna Tandon, F.C.C., II.
 Ihsan-ul-Haq, P.W.C., II.
 Ram Lal Sharma, Lahore, II.
 Mohammad Jahangir Khan, Lahore, II.
 Emily Peters, L.W.C., II.
 *Devindra Kumar, (Honours in Sanskrit), D.A.-V.C., II.
 *Makhan Lal, D.A.-V.C., II.
 Syed Karamat Hussain Gardezey, (Honours in Philosophy), D.S.C., II.

1931

- Onkar Nath, F.C.C., II.
 Sh. Abdul Hamid, (Honours in Mathematics A), G.C., II.
 Dalip Singh Samra, (Honours in Economics), G.C., II.
 Shiv Shankar Parshad Tewari, G.M.C., II.
 *Aziz Bakhsh, I.C.P., II.
 Jagdish Ram Sharma, D.A.-V.C., II. [II.
 Ch. Mushtaq Ahmad, F.C.C.,
 Abdul Hameed Khan, (Honours in Arabic), I.C., II.
 *Kesho Ram Sharma, Amritsar, II.
 Bir Bal Chawla, D.A.-V.C., II.
 *Rameshwar Dass, Gupta, D.A.-V.C., II.
 Jitendra Shanker Dadarwal, G.C., II.
 *Surjit Singh Sodhi, G.C., II.
 Mehr Chand Bhalla, K.C., II.
 *Baij Nath Widge, F.C.C., II.
 Aziz Ahmad Khan, (Honours in Economics), F.C.C., II.
 Sant Singh Dugal, I.C.P., II.
 *Dina Nath Hanjura, (Honours in English), S.P.C., II.
 *Syed Zuhurulhasan Bokharey, Ambala, II.
 Bashir Ahmad, G.C., II.
 Jagan Nath, (Honours in English), G.C., II.
 Mohammed Umar-ud-Din, (Honours in Mathematics A), I.C., II.
 Nur Ilahi, I.C.P., II.
 Ram Rattan Sharma, D.A.-V.C.J., II.
 Sh. Manzoor Ahmad, D.S.C., II.
 Mohd. Afzal Khan Victor, G.C., II.
 Sham Lal, (Honours in English), G.C., II.

1931

Ram Gopal Sethi, G.M.C., II.
 Hans Raj Kapur, P.W.C., II.
 Charanjit Lal Jain, P.W.C., II.
 A. Hamid, I.C., II.
 *Azim-ud-Din Mattu, (Honours in English), S.P.C., II.
 Hari Kishan Jerath, F.C.C., II.
 Jamnat Singh, K.C., II.
 *Kesri Dass, D.S.C., II.
 Manmohan Singh Chopra, G.C., II.
 Mushtaque Ahmad, (Honours in Physics), G.C., II.
 Jai Bhagwan Sharma, E.C., II.
 Moti Ram Bhasin, Mianwali, II.
 Joyce Rallia Ram, K.G.C., II.
 Dayal Das Vij, F.C.C., II.
 Syed Zamin Ali Hamdani, (Honours in Mathematics A), G.C., II.
 Dina Nath Mago, G.M.C., II.
 Abdur Rahim Khau Zubair, P.W.C., II.
 Gulzar Mohammad Qureshi, (Honours in English), M.C., II.
 Malik Mohd. Anwar Hussain, (Honours in English), F.C.C., II.
 Vishwa Nath Pathak, G.C., II.
 Damodar Bat, Kashmir, II.
 Lakshmi Narain Jerath, F.C.C., II.
 Nemat Khan, I.C., II.
 Shah Mohammad Anwar, I.C., II.
 Gurcharn Singh, P.W.C., II.
 Manohar Singh, K.C., II.
 *Lakshmi Narain, Agarwal, D.A.-V.C., II.
 Prabhu Dayal Ahuja, (Honours in Physics), D.A.-V.C., II.
 Dvindar Singh, D.S.C., II.

1931

R. L. Tucker, D.S.C., II.
 Bishan Narain, Seth, F.C.C., II.
 *Partap Narain, G.C., II.
 *Abdul Karim, P.W.C., II.
 Vidya Sagar Sharma, M.C., II.
 *Amina Butt, L.W.C., II.
 Jodh Singh Jokalian, (Honours in Economics), K.C., II.
 Radha Krishan, Nanda, D.A.-V.C., II.
 *Budh Parkash, F.C.C., II.
 Savitri Puri, L.W.C., II.
 Rameshwar Paul Davessar, D.A.-V.C., II.
 Om Parkash, D.A.-V.C., II.
 Gurdial Singh Bajwa, D.S.C., II.
 Basant Lal Sharma, F.C.C., II.
 Surjit Singh, G.C., II.
 Nikka Ram Law, (Honours in English), F.C.C., II.
 Bharat Chand, Khanna, G.C., II.
 Raminder Singh Wallia, G.C., II.
 *Abdul Kareem Panjraton, (Honours in Persian), I.C., II.
 Mohd. Yunus, Mry.C., II.
 Hans Raj Kapur, D.A.-V.C.J., II.
 Mulk Raj Talwar, D.A.-V.C.J., II.
 Basant Singh, K.C., II.
 Atam Prakash Sawhney, D.A.-V.C., II.
 Ved Prakash Sharma, (Honours in English), F.C.C., II.
 Tarlok Nath Kapur, F.C.C., II.
 Ch. Mohammad Siddique Sadiq, I.C., II.
 Mohammad Ziaul Haque, (Honours in Arabic), I.C., II.
 Janki Dass, Gakhar, S.D.C., II.
 Hari Chand, Lahore, II.

* Not been admitted to the Degree.

1931

Shamsher Singh Bedi, (Honours in English), K.C., II.
 Ajudhia Prashad Naval, M.C., II.
 Ishwardas Khanna, Lahore, II.
 Ernest A. Thakar Dass, F.C.C., II.
 Kishan Chand Bhatnagar, (Honours in English), G.C., II.
 *Peer Muhammed Amin, (Honours in Arabic), I.C., II.
 Abdul Qadeer Qureshi Alvi, Mry.C., II.
 Gulzara Singh Biyond, K.C., II.
 *Harish Chander Gupta, D.A.-V.C., II.
 *Chuni Lal Ahuja, D.A.-V.C., II.
 K. R. Chakra Dhar Hans, S.D.C., II.
 Ram Saran Chhibber, G.M.C., II.
 Nil Kanth Sharma, P.W.C., II.
 Harbhajan Singh, F.C.C., II.
 Arjuna Singh Kalsia, F.C.C., II.
 Basant Narain Mohindra, (Honours in Physics), G.C., II.
 Prehlad Singh, G.C., II.
 Abdul Aziz Khan, I.C., II.
 Des Raj, S.D.C., II.
 Surendra Nath Agnihotri, D.A.-V.C., II.
 *Ghulam Mohd. Khan, Ludhiana, II.
 Sahib Singh, (Honours in Economics), K.C., II.
 Bhagwan Das Chopra, (Honours in Mathematics B), D.A.-V.C., II.
 Triloki Krishan Kalia, F.C.C., II.
 Sukh Deva Kumar, G.C., II.
 Bhagirath Das Kedia, (Honours in Physics), G.C., II.

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*Sadar Hussain Shah (Bukhari), I.C., II.
 Nil Kantha Banerjee, Mry.C., II.
 Sham Sunder Bedi, Mry.C., II.
 Amolak Ram, G.M.C., II.
 Faizullah Khattak, I.C.P., II.
 Taj Muhammad, Multan, II.
 *Janki Nath Chrungoo, Kashmir, II.
 Har Parkash Sayal, D.A.-V.C.J., II.
 Gurdial Singh 'Phul', K.C., II.
 Lekh Raj Sharma, D.A.-V.C., II.
 Mohan Singh Anand, F.C.C., II.
 *Mahendra Prasad Jain, F.C.C., II.
 Ch. Muhammed Khan, (Honours in Persian), I.C., II.
 Rashida Nabi Bakhsh, L.W.C., II.
 Ch. Mohd. Yusaf, F.C.C., II.
 Kundan Lal Hora, F.C.C., II.
 Gurdas Ram Khosla, F.C.C., II.
 Ata Mohammad, I.C., II.
 Mohd. Ismail Chhimbal, (Honours in Persian), I.C.P., II.
 Ilahi Bakhsh, S.E.C., II.
 Sh. Iftakhar Ali "Falak", K.C., II.
 Som Raj, K.C., II.
 Devinder Singh Gill, F.C.C., II.
 *Mutsaddi Lal Aggarwal, S.E.C., II.
 *Rattan Chand Chopra, Lahore, II.
 Rosalie Leather, Lahore, II.
 Vinla Chopra, L.W.C., II.
 Kh. Ihsanul Haq, (Honours in English), K.C., II.
 Sh. Mohd. Yusaf Ali, F.C.C., II.
 Om Parkash Trehana, F.C.C., II.

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Amar Nath Raura, M.C., II.
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 *Mohd. Abdul Hamid, Siddiqi, Rohtak.
 S. Ghazanfar Ali (Ghazanfar), Rohtak.
 Mohammad Abdul Rahim, Simla.
 *Nazir Ahmad, Simla.
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 Mohd. Nasib Taj, Gurdaspur.
 Wilayat Ali, Amritsar.
 *Mustafa Hasan Alavi, Lahore.
 G. Hussain Rathor, Lahore.
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 Shankar Dev Varma, D.A.-V.C., III.
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 D.S.C., III.
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 III. [III].
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 III. [III].
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 *Mohd. Tufail Khan Chaudhri, G.C., III.
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 *Sher A. Bokhari, G.C., III.
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 *Niaz Mohd. Khan Ambalvi (Honours in Persian), I.C., III.
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 *Sajjad Sarwar Khan Niazi (Honours in Persian), I.C., III.
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 *Ch. Ghulam Haidar, I.C., III.
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Sawan Ram Aggarwal, S.D.C., III.	Mohd. Sarwar, Mry.C., III.
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 *Pram Nath Bhan, S.P.C., III.
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 *Mohammad Muzaaffar Khan, S.P.C., III.
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 *Prem Nath Dhar, S.P.C., III.
 *Shambu Nath Koul, S.P.C., III.
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 Attam Singh Puri, Rawalpindi, III.

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Balwant Rai Khurma, F.C.C.,
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Sadhu Singh, K.C., II.*
Jai Gopal Mohla, Jhang, II.
Khan Muhammad Yunus Khan,
G.C., II.
Din Mohd. Qureshi, Multan,
II.
Pandit Anup Chand, G.M.C., II.
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Gyan Swarup Amar, D.S.C.,
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Rawalpindi, II.
Prem Nath Seth, D.A.-V.C.,
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Gurdev Singh, G.M.C., II.
Bahadar Chand Jhamb, Lyall-
pur, II.
Jasbir Singh Bajwa, F.C.C.,
II.
Jogindar Singh, G.C., II.
Dharam Chand Midha, F.C.C.,
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Shadi Ram Khanna, D.A.-V.C.,
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Rama Nand Dua, D.A.-V.C.,
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Raghunandan Lal, M.C., III.

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FACULTY OF SCIENCE.

DOCTOR OF SCIENCE.

1918

Baini Prashad, M.Sc., Lahore.

1919

Ramji Narain Mehra, M.Sc., Jyallpur.

1920

*K. N. Bahl, M.Sc., Lahore.

1922

Sunder Lall Hora, M.Sc., Calcutta.

1923

B. N. Chopra, M.Sc., Calcutta.

1925

G. S. Cheema, M.Sc., Poona.

1928

*H. L. Chhibber, Rangoon (Burma).

1929

S. L. Bhatia, Lahore.

1930

Dina Nath Goyle, Lahore.
M. Sharif, Bombay.

1931

Mohan Lal Sethi.

* Not been admitted to the Degree.

MASTER OF SCIENCE.

1931

- *Hans Raj Luthra, G.C., Physics, I.
 *Abdul Bashir Pal, G.C., Physics, I.
 Vidya Bhushan Anand, G.C., Physics, I.
 Abdul Rashid, G.C., Physics, II.
 Bhag Shah Puri, Lahore, Physics, II. [sics, II.
 *Jiya Lal Dhar, Lahore, Physics, II.
 Balinder Nath Sethi, Lahore, Physics, II.
 Dina Nath Varma, G.C., Physics, II.

1931

- Roshan Lal Saihgal, G.C., Physics, II.
 Behari Lal Manchanda, G.C., Physics, III.
 Attar Singh Bedi, G.C., Physics, III.
 Mohammad Shafi Shaikh, G.C., Physics, III.
 *Baldev Sahai Kamra, G.C., Physics, III.
 Jiya Lal, G.C., Physics, III.
 *Khan Akbar, G.C., Physics, III.

MASTER OF SCIENCE (HONOURS SCHOOL).

1931

- Abdul Majeed, G.C., Botany, I.
 Dewan Mahinder Nath, G.C., Botany, II.
 Rup Chand Sawhney, G.C., Botany, II.
 *Vidya Sagar Kapur, G.C., Botany, II.
 Abdul Hameed Sheikh, G.C., Botany, II.
 *Ch. Mohd. Shafi, G.C., Botany, II.
 Ramesh Chandra Sharma, P.W.C., Geology, III.
 Nazeer Ahmed Janjua, G.C., Zoology, II.
 Gurcharn Singh Sachar, G.C., Botany, I.
 Mohammad Aslam, G.C., Botany, II.
 Lal Singh Bath, G.C., Botany, III.

1931

- Murari Lal Chopra, G.C., Botany, III.
 Khushhal Chand Gulati, F.C.C., Chemistry, I.
 Ved Prakash Chandra Gautama, G.C., Chemistry, I.
 Mulk Raj Verma, F.C.C., Chemistry, I.
 Bashesar Dass Kochhar, F.C.C., Chemistry, I.
 Balwant Rai Puri, F.C.C., Chemistry, II.
 Kanwar Singh Kang, F.C.C., Chemistry, II.
 Ujagar Singh Cheema, F.C.C., Chemistry, II.
 Zafarud Deen Ahmad, F.C.C., Chemistry, II. [II.
 *Shiv Lal, G.C., Chemistry, II.
 Amanat Ullah Qureshi, I.C., Chemistry, II.

Not been admitted to the Degree.

1931

Rattan Chand Bhalla, G.C.,
Chemistry, II.
Radha Krishan, G.C., Chemistry,
II.

1931

Satya Prakash, D.A.-V.C.,
Chemistry, III.
Mohd. Shafee, F.C.C., Chemis-
try, III.

BACHELOR OF SCIENCE (HONOURS SCHOOL).

1931

Mohd. Abdul Azim, G.C.,
Chemistry, II.
*Karam Chand Chopra,
D.A.-V.C., Chemistry, III.
Kashi Nath Kaul, F.C.C.,
Chemistry, III.
Abrashi Lall Bhalla, G.C.,
Chemistry, III.
*J. D. Varma, S.D.C., Chemis-
try, III.
*Purn Anand Bhardwaj, S.D.C.,
Chemistry, III.
Harbhajan Singh, F.C.C.,
Technical Chemistry, I.
Tara Chand Chadha, F.C.C.,
Technical Chemistry, II.
Santokh Singh Silooja, G.C.,
Technical Chemistry, III.
Gian Chand, F.C.C., Technical
Chemistry, III.
*Girdhari Lal Seth, F.C.C.,
Technical Chemistry, III.
Sant Ram Seth, G.C., Techni-
cal Chemistry, III.
Balwant Rai Malhotra, G.C.,
Botany, I.

1931

Pushker Nath, D.A.-V.C.,
Botany, II.
Mohammed Rafi, F.C.C.,
Botany, II.
Krishan Lall Swanni, G.C.,
Botany, II.
Koshendra Nath, F.C.C.,
Botany, III.
Bhagat Ram Alagh, D.A.-
V.C., Botany, III.
Prem Nath Suri, D.A.-V.C.,
Botany, III.
Jagtar Singh, G.C., Botany,
III.
Naseer Ahmad Mahju, I.C.,
Botany, III.
Kashmiri Lal Bhatia, G.C.,
Botany, III.
Dharam Kishore Jhingan,
F.C.C., Botany, III.
Raghu Nath Dass, F.C.C.,
Botany, III.
Sayed Mohammad Ahmad, F.C.C.,
Zoology, III.
Ram Nath Batra, F.C.C.,
Zoology, III.

BACHELOR OF SCIENCE.

1931

Ram Partap Sharma, G.C., I.
Jack Eric Ennis, G.C., I.
Mohammad Wazir Khan,
I.C.P., II.

1931

Manohar Lal, F.C.C., II.
*Mohd. Sarfraz Khan, I.C.P.,
II.
Mali Ram Suri, I.C.P., II.

* Not been admitted to the Degree.

1931

*Ch. Muneer Ahmad, F.C.C., II.
 Sayyad Murtza Hussain, G.C., II.
 Badar-ud-Din, I.C., II.
 C. A. Lawrie, G.C., II.
 Ch. Rashid Ahmad, F.C.C., II.
 Mohd. Akbar, F.C.C., II.
 Khurshid Mohd., I.C., II.
 Mehar Singh, K.C., II.
 Nand Lal, F.C.C., II.
 Harbant Singh "Sekhon", K.C., II.
 Ran Bir Singh Vaid, D.S.C., II.
 Janak Lal Sahgal, P.W.C., II.
 Keshonath, P.W.C., II.
 Baldev Singh Dugal, G.M.C., II.
 Mohd. Asghar Ginai, I.C., II.
 Harbhajan Singh Grewal, F.C.C., II.
 Hari Ram Seth, F.C.C., II.
 Malawa Singh, K.C., II.
 R. Krishan Nath Bhandari, G.C., II.
 *Manmohan Nath Dar, P.W.C., II.
 Sheikh Mohammad Unmar, G.C., II.
 Abdul Mannan, F.C.C., II.
 Zafar Mand Ahmad Qureshi, F.C.C., II.
 Panna Lal Rikhye, F.C.C., II.
 Ruby Saida Sirajud Din, F.C.C., II.
 Janki Nath Pandita, P.W.C., II.
 Krishan Narain Kakar, Lahore, II.
 Mubarik Ali, Amritsar, II.
 Kartar Singh, K.C., II.
 *Dyal Singh Brar, F.C.C., II.

1931

*Diwan Chand Gupta, P.W.C., II.
 Tejwant Singh Mahal, D.S.C., II.
 Khem Chand Rajpal, P.W.C., II.
 Lilha Ram, Lahore, II.
 *Sher Mohd. Khan, G.C., II.
 Mirza Nisar Ali Beg, I.C., II.
 Amar Nath Bali, D.A.-V.C., II.
 Wahid Bakhsh Saleem, Multan, II.
 Kishan Singh Sargodha, K.C., II.
 Jagan Nath Sethi, D.A.-V.C., II.
 *Howan Das Taneja, Lahore, III.
 Ata Ullah Khan, Lahore, III.
 Ghulam Muhammad Ahmady, Lahore, III.
 Mahamud Khan, Hazara, III.
 Mohindar Singh, K.C., III.
 Karam Singh Sahota, K.C., III.
 Shivdev Singh, K.C., III.
 Indar Jit, K.C., III.
 Madan Lal Kapahi, K.C., III.
 Sita Ram, K.C., III.
 Dara Singh Bhango, K.C., III.
 Gurdeep Singh Tarn Tarania, K.C., III.
 Kidar Nath Goswame, K.C., III.
 Ram Rakha Rattan, D.A.-V.C., III.
 Kharaiti Ram, D.A.-V.C., III.
 Ram Kishen Lal, D.S.C., III.
 Naranjan Singh Sodhi, D.S.C., III.
 Maluk Singh, F.C.C., III.
 Keshwa Nand Khurana, F.C.C., III.

* Not been admitted to the Degree.

1931

Indar Narain Dar, F.C.C., III.
 Ch. Abdul Hamid, F.C.C., III.
 Asnam Qutab, F.C.C., III.
 *G. B. Singh, F.C.C., III.
 Prem Lal, F.C.C., III.
 Tek Chand Anand, F.C.C., III.
 Sardar Mohd. Hodayun Afghan,
 G.C., III.
 †Sherkh Mohammad Rafi
 Siddiqi, G.C., III.
 Hafiz Ullah, G.C., III.

1931

Krishan Lal Malhotra, G.M.C.,
 III.
 Abdul Qaiyum, I.C.P., III.
 †Mahmud Ahmed, I.C.P., III.
 Dina Nath Mattu, P.W.C., III.
 Shambu Nath Dhar, P.W.C.,
 III. [P.W.C. III.
 Ram Prasad Merkendey,
 *†Mukand Lal Malhotra, F.C.C.
 *†Sh. Manzur-ul-Haq, F.C.C.
 *†Eugene Nasir, F.C.C.

BACHELOR OF SCIENCE (SUPPLEMENTARY).

1931

Ahmad Din, I.C., II.
 Shiv Dayal Nangia, F.C.C.,
 II.
 *Radha Kishen Rama, P.W.C.,
 II.
 Purshottam Lal Bhandari,
 G.C., II.
 Jagan Nath Nagpal, P.W.C.,
 II.
 Pira Singh, K.C., II.

1931

Harbhagat Singh Dhesi, K.C.,
 III.
 Ujagar Singh, K.C., III.
 Ajit Singh Gill, K.C., III.
 Abdul Majid Ch., F.C.C., III.
 Ahmad Husain, F.C.C., III.
 Dhan Raj Sun, F.C.C., III.
 †M. N. Sein, F.C.C., III.
 Amir Shah Yusuf Zai, I.C.P.,
 III.

FACULTY OF AGRICULTURE.

MASTER OF SCIENCE IN AGRICULTURE.

1931

Laxmi Sagar Bhandari, A.C.,
 Botany, II.

1931

*Kartar Singh, A.C., Botany,
 III.

* Not been admitted to the Degree.

† Passed under Regulations 20 and 21, Calendar (1930-31),
 page 300 (*Syndicate Proceedings*, dated the 9th October, 1931,
 paragraphs 6 and 25).

BACHELOR OF SCIENCE IN AGRICULTURE.

1931

Sardari Lal Aggarwal, A.C., II.
 *Sham Narain Mohan, A.C., II.
 Santokh Singh Jaggi, A.C., II.
 †Ram Singh Dalal, A.C., II.
 *Madsudan Singh Mahal, A.C., II.
 Anant Ram Thapar, A.C., II.
 Gurbachan Singh Sahota, A.C., II.
 †Hira Nand Batra, A.C., II.
 †Jagat Singh Thind, A.C., II.
 †Nirajan Singh Jote, A.C., II.
 Har Krishan Lal, A.C., II.
 *Kartar Singh Lohara, A.C., II.
 Karam Singh Basrai, A.C., II.
 †Jarnail Singh (R.W.), A.C., II.
 Harbhajan Singh Dhalwal, A.C., II. [II].
 †(Ch.) Abdul Aziz Wahla, A.C., II.
 Kundan Lal Chawla, A.C., II.
 *Jaswant Singh (Hitkari), A.C., II.
 Ishwar Singh, A.C., II.
 *Gopal Singh, A.C., II.

1931

Manmohan Singh, A.C., II.
 M. A. Sattar, A.C., II.
 †Sita Ram Thapar, A.C., II.
 †Bahadur Singh, A.C., II.
 †Raghunandan Singh Mahilpur, A.C., II.
 †Babu Ram Sharma, A.C., II.
 †Mohd. Ali Khan, A.C., II.
 Mohindar Singh Gill, A.C., II.
 Ganga Singh Bajwa, A.C., II.
 *Khan Mohd. Khan Niazi, A.C., II.
 †Jodh Singh, A.C., III.
 †Nabi Bakshi Chaudhri, A.C., III.
 †Lachhman Singh Chohan, A.C., III.
 Prem Chand Verma, A.C., III.
 *Apt Singh, A.C., III.
 †Sikandar Singh Gill, A.C., III.
 Kartar Singh, A.C., III.
 Labna Singh Sandhu, A.C., III.
 Ram Sarup Sharma, A.C., III.
 *Sultan Ahmad (Chaudhri), A.C., III.

BACHELOR OF SCIENCE IN AGRICULTURE (SUPPLEMENTARY).

1931

*Hikmat Khan, A.C., II.
 Jarnail Singh Sarhali, A.C., II.
 Indar Singh Gill, A.C., II.
 Haidar Ali Toor, A.C., II.
 *Fateh Mohammad, A.C., II.
 *Ram Nath, A.C., II.
 Har Gopal Saini, A.C., II.
 *Mohammad Said Khan, A.C., II.
 *Sohan Lal Aggarwal, A.C., II.

1931

*Basant Lal, A.C., II.
 Abdur Rahman, A.C., II.
 Abdur Rahim Mian, A.C., II.
 Punnu Lal Bagai, A.C., II.
 *Mohd. Kamil Khan, A.C., II.
 Balwant Singh Gill, A.C., II.
 *Dharam Singh Sidhu, A.C., III.
 *Gurcharn Singh Dugal, A.C., III.

* Not been admitted to the Degree.

FACULTY OF ARTS.

BACHELOR OF TEACHING EXAMINATION.

1931

*Rang Bahadur Mathur, C.T.C., I.
 *Maharaj Swarup Bhatnagar, C.T.C., I.
 *Prithvi Pal Tara, C.T.C., II.
 I. M. David, C.T.C., II.
 Brij Nandan Lal, C.T.C., II.
 Har Dyal Lakhanpal, C.T.C., II.
 *M. K. Christie, C.T.C., II.
 Zahiruddin Ahmad, C.T.C., II.
 *Mohamed Mukhtar Sadiq, C.T.C., II.
 *B. S. Massey, C.T.C., II.
 I. H. Sircar, C.T.C., II.
 *Lahri Singh Gupta, C.T.C., II.
 *Pritam Singh Grewal, Jullundur, II.
 *Sh. Abdul Qadir, C.T.C., II.
 *Kundan Lal Bahl, Campbellpur, II.
 Ch. Jamal-ud-Din Khan, C.T.C., II.
 Wasawa Singh, C.T.C., II.
 *Mehtab Singh, C.T.C., II.
 *Krishna Lal Varma, C.T.C., II.
 Khadim Hussain Razvi, C.T.C., II.
 Dev Raj Aggarwal, Amritsar, II.
 *Nazir Ahmed Khan, C.T.C., II.
 *Harkishan Lal, C.T.C., II.
 *Mohammad Sarwar Khan, C.T.C., II.
 B. Mallu Chand, C.T.C., II.
 Harbans Singh, C.T.C., II.
 *Abnash Singh Chhatwal, C.T.C., II.

1931

Hari Ram Gupta, C.T.C., II.
 *(Mrs.) Amiyalata Mukerji, C.T.C., II.
 *Mulk Raj Mehra, C.T.C., II.
 *Sh. Abdul Haque, C.T.C., II.
 *Tulsi Das Dhingra, Mianwali, II.
 Kundan Lal, Jullundur, II.
 *D. D. Katarya, C.T.C., II.
 Muhammad Abdul Aziz, Lyallpur, II.
 Notan Das Ailawadi, C.T.C., II.
 Savitri Devi Varma, C.T.C., II.
 Gobind Singh, C.T.C., II.
 Abdul Hamid Minhas, Lahore, II.
 Daulat Ram, Rawalpindi, II.
 P. Mallu Chand, C.T.C., II.
 *Kishori Lal Bhatia, Ferozepur, II.
 Paras Ram Nayyar, Peshawar, II.
 Bhag Chand Chouhan, C.T.C., II.
 Chiranji Lal Rishi, Ludhiana, II.
 *Zafar Alam, C.T.C., II.
 *Ch. Khair Mohummad Taib, C.T.C., II.
 *Mohendra Singh, Delhi, II.
 *Ranbir Singh Khalsa, Ludhiana, II.
 *Beant Singh Sanghera, Jullundur, II.
 Manzur Elahi Hashmi, Lahore, II.
 *Sh. Niaz Mohammad, Jullundur, III.
 *Ghulam Ahmad, Gujranwala, III.

* Not been admitted to the Degree.

1931

*Ch. Sardar Ahmed, C.T.C., III.
 Lakshmi Nath, C.T.C., III.
 *Ishwar Das Khera, C.T.C., III.
 Chaman Lal Sharma, Montgomery, III.
 Sahibzada Abdul Majid, Lyallpur, III.
 Khawaja M. Suleman, C.T.C., III.

1931

*Fazal-i-Karim Malik, C.T.C., III.
 Nand Lal Bagai, Montgomery, III.
 Labboo Ram Sudan, Nahan, III.
 *Ghulam Mustafa, Gurdaspur, III.
 Neb Raj Gauba, Jullundur, III.
 Raghunathdas Vashista, C.T.C., III.
 Inam Ali, Sialkot, III.

FACULTY OF LAW.

List of persons upon whom Degrees have been conferred under Section 14, Act XIX, 1882.

BACHELOR OF LAW.

1931

Hans Raj Gupta, L.C., I.
 Sewa Singh Ahluwalia, L.C., I.
 *Nunya Mall Jain, L.C., I.
 Brij Lal Sethi, L.C., I.
 Chetan Das Jain, L.C., I.
 *Nagindar Singh Khosah, L.C., I.
 Syed Muhsin Trimizey, L.C., I.
 Khilanda Ram Sukhija, L.C., I.
 Muhammad Hayat Khan, L.C., I.
 Madan Gopal Chopra, L.C., I.
 Trilok Nath Bhalla, L.C., I.
 Shiv Prakash Mehra, L.C., I.
 *Paras Das, Jain, L.C., I.
 *Tara Chand Datta, L.C., I.
 Avinash Chandra Sud, L.C., I.
 Paras Ram Bhardwaj, L.C., I.
 Benarsi Das Gupta, L.C., I.

1931

*Satya Bhushan Lal, L.C., I.
 Satra Jit Watts, L.C., I.
 Ch. Mohammad Siddique, L.C., I.
 Chaudhri Abdul Hamid Bhatti, L.C., I.
 Sharif Hussain Khan, L.C., I.
 Bakhshi Harbans Singh Puri, L.C., I.
 *Lachman Das Thakar, L.C., I.
 Bishamber Singh Katoch, L.C., I.
 Rajendra Singh, L.C., I.
 *Tirath Singh Guram, L.C., I.
 Malik Abdul Hamid, L.C., I.
 *Karan Singh, L.C., I.
 *Tirath Ram Gupta, L.C., I.
 Ram Saran Das Bhasin, L.C., I.
 *Jagan Nath Bhayana, L.C., I.

* Not been admitted to the Degree.

1931

*Vijay Kumar Gupta, L.C., I.
 Khowajah Abdul Ghani, L.C., I.
 *Babu Ram, L.C., I.
 Hans Raj Gupta (Jain), L.C., I.
 *Bakhshi Madan Singh, L.C., I.
 *Siri Ram Dhawan, L.C., I.
 Mahmud Ahmad Kamboh, L.C., I.
 *Bansi Ram Aggarwal, L.C., I.
 Manzur Ahmad Chima, L.C., I.
 *Dharam Paul Vohra, L.C., I.
 Shaikh Mohammad Afzal, L.C., I.
 Atma Ram Verma, L.C., I.
 *Bakht Badar Shamsy, L.C., I.
 *Muhammad Yakub Khan, L.C., I.
 *Bahadar Singh, L.C., I.
 *Baldev Singh Jawanda, L.C., I.
 Mian Ghulam Mohamed, L.C., I.
 Mehar Chand Wasandi, L.C., I.
 Tej Ram Mahajan, L.C., I.
 Mastan Singh, L.C., I.
 Chuni Lal Vij, L.C., I.
 *Ch. Ghulam Abbas Khan, L.C., I.
 *Lal Chand Passey, L.C., I.
 *Umrao Singh Jain, L.C., I.
 Mul Chand Grover, L.C., I.
 Ch. Mushtaq Ahmad, L.C., I.
 *Piyare Lal Prabhakar, L.C., I.
 *Abdul Rahman, L.C., I.
 Daulat Ram Vasudev, L.C., I.
 Harbans Rai, L.C., I.
 *Jagdish Sahai Agarwal, L.C., I.

1931

Chandra Prakash Sapra, L.C., I.
 Davindar Singh Lamba, L.C., I.
 *Dina Nath Sharma (Dhami), L.C., II.
 Manohar Lal Jain, L.C., II.
 Md. Gulzar Khan, L.C., II.
 Kishori Lal Malhotra, L.C., II.
 Mohd. Hussain Lodara, L.C., II.
 *Khawaja M. Abdul Ghani Fazili, L.C., II.
 Krishan Chand Magon, L.C., II.
 *Chandra Bal Goela, L.C., II.
 *Jai Lal Sud, L.C., II.
 Hem Raj Kayastha, L.C., II.
 Swadesh Bhagat, L.C., II.
 *Jai Ram Das Nanda, L.C., II.
 Ghulam Zainulab Din, L.C., II.
 *Ishwar Das Abrol, L.C., II.
 Jiwan Lal Virmani, L.C., II.
 *Harish Chandra Galib, L.C., II.
 Bawa Thakar Singh, L.C., II.
 *Bakhshi Devki Nandan, L.C., II.
 Prem Chunder Bali, L.C., II.
 *Shah Niwaz, L.C., II.
 Kidar Nath Kurichh, L.C., II.
 *Malik Remal Dass, L.C., II.
 Jai Gopal Malhotra, L.C., II.
 Purshotam Lal Kaistha, L.C., II.
 Ram Chand Dewan, L.C., II.
 Chaman Lal Aggarwal, L.C., II.
 *Dewan Chand Sharma, L.C., II.
 *Gul Mohd. Khan, L.C., II.
 Shiv Ram Kohli, L.C., II.
 *Gulzari Lal, Bhargava, L.C., II.

1931

Hem Raj Tuli, L.C., II.
 Bansī Lal, L.C., II.
 Vas Dev Kapur, L.C., II.
 Megh Raj, L.C., II.
 Mitra Sen Batra, L.C., II.
 Trilochan Singh, L.C., II.
 Amir Chand Opal, L.C., II.
 *Abdul Rashid, L.C., II.
 *Dalip Singh 'Kang', L.C., II.
 Ram Lok Aggarwal, L.C., II.
 Jahangir Khan, L.C., II.
 *Ram Nath Sharma, L.C., II.
 *Des Raj Dua, L.C., II.
 P'hiraya Lall, Kapoor, L.C., II.
 *Sukh Dev Singh Sodhi, L.C., II.
 *Waryam Singh Garewal, L.C., II.
 E. F. Barlow, L.C., II.
 Kundan Lal Sangar, L.C., II.
 Ch. Abdul Hamid Khan, L.C., II. [II.
 *Purshotam Lal Dhawan, L.C., II.
 *Ram Labhaya Kohli, L.C., II.
 Dina Nath Tandon, L.C., II.
 *Jagindar Singh, L.C., II.
 Shantilal Dang, L.C., II.
 Chhotta Lal Tuteja, L.C., II.
 *Jagdish Chander Khanna, L.C., II.
 *Bihari Lal Dhingra, L.C., II.
 *Dev Raj Mehta, L.C., II.
 *Habib Ullah Khan, L.C., II.
 Madan Lal Mehra, L.C., II.
 *Puran Chand Aggarwal, L.C., II.
 Sardar Balbir Singh Wadalia, L.C., II.
 M. R. Sawhney, L.C., II.
 Champat Rai Jain, L.C., II.
 Din Muhammad Syan, L.C., II.
 *Kameshwar Nath Sharma, L.C., II.

1931

*Hem Raj Sud, L.C., II.
 J. J. Vania, L.C., II.
 Chaudhri Mohammad Shafi, L.C., II.
 Pearey Lal Duggal, L.C., II.
 Sardar Ali, L.C., II.
 *Suraj Bhan Jain, L.C., II.
 *Kulwant Rai Aggarwal, L.C., II.
 Prem Nath Bahl, L.C., II.
 *Sh. Karamat Ali, L.C., II.
 *Sardul Singh Sachdev, L.C., II.
 *Mohammed Jan, L.C., II.
 Jagat Singh Khurana, L.C., II.
 *Madan Gopal Bhatia, L.C., II.
 Girdhari Lal, L.C., II.
 *Mathra Dass Aggarwal, L.C., II.
 *Khawaja Ghulam Sadiq, L.C., II.
 *Sain Das Nangra, L.C., II.
 *Hukam Chand Khurana, L.C., II.
 Mohan Lal Deveshar, L.C., II.
 Hans Raj Ahluwalia, L.C., II.
 *Mewa Ram Batra, L.C., II.
 *Nau Nihal Singh, L.C., II.
 *Kundan Lal Bhagria, L.C., II.
 Harkishan Das Sharma, L.C., II.
 Sayyid Mohammad Sarwar Shah, L.C., II.
 *Jaswant Singh Bhalla, L.C., II.
 *Durga Singh Rajput, L.C., II.
 Dwarka Nath Joshi, L.C., II.
 *Ranbir Singh Man, L.C., II.
 *Mufti Nazar Mohd., L.C., II.
 *Gokal Chand Arora, L.C., II.
 *Mohan Lal Aukta, L.C., II.
 Prem Chandra Sood, L.C., II.

1931

Mohammad Abdul Ghani Wahla,
L.C., II.
*Sham Lal Saluja, L.C., II.
V. Sawhny, L.C., II.
Mukhtar Hussain Qazi, L.C.,
II.
Nand Kishore Kakar, L.C., II.

1931

*Hussain Bakhsh Jaunpuri,
L.C., II.
Jagiri Lal Sharma, L.C., II.
Nazim Ali Shah, L.C., II.
Sultan Sikander, L.C., II.
*Chhabil Dass, L.C., II.
Ratan Chand Sabbikhi, L.C.,
II.

BACHELOR OF LAW (SUPPLEMENTARY).

1931

Karam Chand Nijjar, L.C., I.
Mohd. Abdul Rashid, L.C., I.
A. N. Bhanot, L.C., I.
Mansukh Rai, L.C., I.
*Kashmiri Lall Sachdev, L.C.,
I.
Mangal Das Kochhar, L.C., I.
Farkash Chand Mahajan, L.C.
I.
Malik Wazir Chand Batra, L.C.,
II.
Sujan Singh, L.C., II.
Manohar Lal Prasher, L.C., II.
Lakshmi Das Saluja, L.C., II.
Kirpal Singh Anand, L.C., II.
Rup Lal Mandla, L.C., II.

1931

*Hari Lal, L.C., II.
*Hari Singh Virak, L.C., II.
Ram Labbaya Kapur, L.C., II.
Ujagar Singh, L.C., II.
*Malik Abdul Rashid Khan,
L.C., II.
*Kashmiri Lal Vij, L.C., II.
V. K. Ranade, L.C., II.
Sayed Wajid Ali Shah, L.C.,
II.
Ch. Zahour-ud-Din, L.C., II.
*Tara Chand Rewal, L.C., II.
Gobind Singh Pabby, L.C., II.
Gokal Chand, L.C., II.
Amar Nath, L.C., II.
Dip Chand Jain, L.C., II.

*List of persons upon whom Diplomas have been conferred under
Section 14, Act XIX, 1882.*

LICENTIATES IN LAW.

Nil since 1908.

* Not been admitted to the Degree.

FACULTY OF MEDICINE.

*List of persons upon whom Degrees have been conferred under
Section 14, Act XIX, 1882.*

DOCTOR OF MEDICINE.

1913

N. B. Khare, B.A., M.B.—Ordinary.

1918

Jiwan Lal, M.B.B.S.—With distinction.

1920

Yar Mohd. Khan, M.B.B.S.—With distinction.
Het Ram Aggarwal, M.B.B.S.—Ordinary.

1921

Regbeer Singh, M.B.B.S.—With distinction.
Mohammad Yusuf, M.B.B.S.—Ordinary.

1923

Dwarka Nath Kumar, M.B.B.S.—Ordinary.

1925

Madan Lal Rikhye, M.B.B.S.—Ordinary.
Jamiat Singh, M.B.B.S.—Ordinary.

1931.

*Vishwa Nath—With distinction.

MASTER OF SURGERY.

1915

Ganesh Das Kapur, M.B.B.S.—Ordinary.

* Not been admitted to the Degree.

1923

*Roshan Lal Khara, M.B.B.S.—Ordinary.

SPECIAL FINAL PROFESSIONAL EXAMINATIONS FOR M.B.B.

1918

Jiwan Lal.

1921

*Narbada Prasad, L.M.S.
 Treelok Chandar Nanda, L.M.S.
 S. C. Roy, L.M.S.

BACHELOR IN MEDICINE AND BACHELOR IN SURGERY.

April, 1931.

1931

Abdul Ghani Qureshi, K.E.M.C.
 *Zafar Ahmad Khan, K.E.M.C.
 Habib-ur-Rahman, K.E.M.C.
 Randbir Singh Seagit, K.E.M.C.
 *Welayati Ram Gupta,
 K.E.M.C.
 *Baldev Sahai Kaushal,
 K.E.M.C.
 Mohammad Said, K.E.M.C.
 *Suraj Prakash Wanchoo,
 K.E.M.C.
 Deo Datta Sharma, K.E.M.C.
 Amir Mohd. Khan, K.E.M.C.
 Gian Chand Varma, K.E.M.C.
 Abdul Haque Malik, K.E.M.C.
 *Rashid Jehan Abdullah,
 L.H.M.C.
 Ram Kishore Bansal, K.E.M.C.
 Roshan Lal, K.E.M.C.

1931

Shanti Devi, L.H.M.C.
 *Yashdeva Wahie, K.E.M.C.
 Ram Rakha Mall Tejpal,
 K.E.M.C.
 Mir Abdul Haq Khan, K.E.M.C.
 *Boota Singh, K.E.M.C.
 Mittar Singh Ahlavat, K.E.M.C.
 *Kanwar Gurdass Singh,
 K.E.M.C.
 Md. Fazil Mirza, K.E.M.C.
 Mumtaz Hussain, K.E.M.C.
 *Ram Narayan Aggarwal,
 K.E.M.C.
 Aziz Ahmad, K.E.M.C.
 Muhammad Shafi, K.E.M.C.
 Rani Advani, L.H.M.C.
 *Mahmood Ali Khan, K.E.M.C.
 Durga Sahai, K.E.M.C.
 Manzur Ahmad Mirza, K.E.M.C.

* Not been admitted to the Degree.

1931

Sahdev Virmani, K.E.M.C.
 *Mir Alam Khan, K.E.M.C.
 Jaswant Singh Nabha,
 K.E.M.C.
 *Hans Raj Nischol, K.E.M.C.

1931

Govlla Lal, L.H.M.C.
 *Indar Singh, K.E.M.C.
 *Anand Mohan, K.E.M.C.
 *Hans Raj Kumar, K.E.M.C.
 *Jiwan Lal, K.E.M.C.

October, 1931.

1931

Riyaz-i-Qadeer, K.E.M.C.
 Jagdish Ram Vaid, K.E.M.C.
 *Alice Meave Kenny, (Honours
 in Midwifery), L.H.M.C.
 *Shambo Nath Peshin, K.E.M.C.
 Harbaas Singh Narang,
 K.E.M.C.
 Sahib Singh Bassi, K.E.M.C.
 *Ram Sarup, K.E.M.C.
 *Lila Tawady, L.H.M.C.
 Bindra Ban, K.E.M.C.
 Jagan Nath Chadha, K.E.M.C.
 Sushil Kumari Datta, L.H.M.C.
 Radha Krishn Malhoutra,
 K.E.M.C.
 Amar Jit Singh, K.E.M.C.
 Dipak Bhatia, K.E.M.C.
 Maldev Datta Chowdhry,
 K.E.M.C.
 *Raghubir Parkash, K.E.M.C.
 Prakash Chandra Roy,
 K.E.M.C.
 Marie A. Catchatoor, L.H.M.C.
 Bhagwant Singh, Dhillon,
 K.E.M.C.

1931

Ayub Ahmad Khan Naqshbandi,
 K.E.M.C.
 *Hardev Prasad Mehta,
 K.E.M.C.
 Krishan Lal Wadehra,
 K.E.M.C.
 Jaswant Singh, K.E.M.C.
 Zafar Ali Shah, K.E.M.C.
 Gurditta Mal Dewan, K.E.M.C.
 Ch. Nazir Ahmad, K.E.M.C.
 *Mumtaz Alam Khan, K.E.M.C.
 Mohd. Ibrahim, K.E.M.C.
 Sayed Ahmad Hasan, K.E.M.C.
 Gyan Chand Chawla, K.E.M.C.
 *Sushila Muley, L.H.M.C.
 Hazura Singh, K.E.M.C.
 Mallick Nazir Ahmad,
 K.E.M.C.
 *Sahibzada Abdul Aziz,
 K.E.M.C.
 Chuni Lal Chadha, K.E.M.C.
 Muzafar Hussain Syed,
 K.E.M.C.
 Dalip Singh Gharjakhia,
 K.E.M.C.

*List of persons upon whom Diplomas have been conferred under
 Section 14, Act XIX, 1882.*

LICENTIATE IN MEDICINE.

Nil since 1918.

* Not been admitted to the Degree.

COMMERCE FACULTY.

BACHELOR OF COMMERCE.

1931

*Satya Pal Qanungo, H.C., II.
 Jagan Nath Aggarwal, H.C., II.
 Anand Swaroop Sharma, H.C., II.
 Shanti Sarup Khullar, H.C., II.
 *Sardara Singh Sidhu, H.C., II.
 Balwant Singh Virmani, H.C., II.
 Amar Nath, H.C., II.
 Jugal Kishore Seth, H.C., II.
 Ram Rattan Gambhir, H.C., II.
 Chaman Lal Ralhan, H.C., II.
 Dhani Ram, H.C., II.
 S. M. Jilani, H.C., II.
 Harish Chandra Goswami, H.C., II.
 Trilok Singh Taunque, H.C., II.
 Pirzada Ali Akbar, H.C., II.
 Bhagwati Sahai, H.C., II.

1931

*Harbans Lal Mahandru, H.C., III.
 Moti Ram, H.C., III.
 Prithvi Nath Bhatia, H.C., III.
 Ram Sarn Das Budhwar, H.C., III.
 Sheikh Fazlur Rahman, H.C., III.
 Yashoda Naud Kapoor, H.C., III.
 Dev. Raj Gandhi, H.C., III.
 Dyal Chand Ahulwalia, H.C., III.
 Malik Bashir Ahmad, H.C., III.
 Narindar Singh, Khandpur, H.C., III.
 Krishan Gopal Chopra, H.C., III.
 Ram Das Madan, H.C., III.
 *Dina Nath Lamba, H.C., III.

BACHELOR OF COMMERCE (SUPPLEMENTARY).

1931

Madan Mohan Jaidka, H.C., II.
 Gurbakhsh Singh Sandhoo, H.C., III.
 *Bodh Raj Abrol, H.C., III.

* Not been admitted to the Degree.

FACULTY OF ORIENTAL LEARNING.

*List of persons upon whom Diplomas have been conferred under
Section 14, Act XIX, 1882.*

HONOURS IN SANSKRIT (Shastri), 1931.

1931	1931
Charan Dass Sharma 'Rattan', R.B. Gagar Mal Sanskrit College, Amritsar, I.	Tulsi Ram Sharma, Amritsar, III.
Mahendra, Lahore, I.	Durga Datt Sharma Joshi, S.D. Sanskrit College, Lahore, III.
Daya Ram Araf, Lahore, I.	Gopal Chandra Verma Kapur, Lyallpur, III.
Vishaw Priya Sharma, Lahore, II.	Kidar Nath Sharma Misher, R.B. Gagar Mal Sanskrit College, Amritsar, III.
Jaggan Nath, Lahore, II.	Tulsi Ram, Peshawar, III.
Satya Dev, Lahore, II.	Dev Datt, S.D. Sanskrit Col- lege, Multan, III. [III.]
Vibhavsoo Das, Kashmir, II.	Agya Ram Sharma Gaur, O.C., Baij Nath, O.C., III.
Satya Vrat Singh, Lahore, II.	Shiv Lal Shaivo Vasisht, S.D. Pathshala, Jind, III.
Shiv Kumar Sharma, R.B. Gagar Mal Sanskrit College, Amritsar, II.	Durga Datt Sharma Gargya, R.B. Gagar Mal Sanskrit Col- lege, Amritsar, III.
Satya Dev Varma, S.D. Sans- krit College, Multan, III.	Pitamber Datt Sharma, Jammu, III.
Hans Raj Sharma, O.C., III.	Som Dev Sharma Saraswat, Hissar, III.
Tara Datt Gaur, Lahore, III.	Satyendra Prasan Singh, S.D. Sanskrit College, Lahore, III.
Prem Nidhi Sharma, O.C., III.	Dina Nath Sharma Chatak, O.C., III.
Daya Ram Verma, S.D. Sans- krit College, Lahore, III.	Hari Chander Verma, S.D. Sanskrit College, Multan, III.
Ravi Dev, Peshawar, III.	Kaushalya Devi, Ferozepur, III.
Atma Ram Sharma Rattan, Randhir College, Kapurthala, III.	Ram Swarup Krishna Treya, Delhi, III.
Bharat Miter Sharma, Rawal- pindi, III.	Jai Narain Sharma Trivedi, Ferozepur, III.
Vishav Dev Kaviyatrith, Peshawar, III.	Tejo Bhanu, S.D. Sanskrit Col- lege, Multan, III.
Ram Parsad Bhatt, S.D. Sans- krit College, Lahore, III.	Amar Nath Sharma, Ludhiana, III.
Sadhu Ram Sharma, S.D. Sans- krit College, Lahore, III.	Jai Ram Sharma, Lyallpur, III.
Indar Mani Verma, S.D. Sans- krit College, Multan, III.	
Vidya Sagar, S.D. Sanskrit Col- lege, Lahore, III.	
Devendra Nath, Amritsar, III.	
Kishori Lal Sharma 'Joshi', S.D. Sanskrit College, Lahore, III.	

1931

Manu Datt Sharma, Lahore, III.
 Ved Vrat, Amritsar, III.
 Yamuna Datt Joshi, Patiala, III.
 Krishan Kumar Sharma, Jammu, III.

1931

Ugar Sain Sharma, R.B. Gagar Mal Sanskrit College, Amritsar, III.
 Purshotam Lal Sharma, Hazara, III.
 Sohan Lal Sharma, Rawalpindi, III.

 HONOURS IN ARABIC (Maulvi Fazil), 1931.

1931

Mohd. Idrees, Delhi, I.
 Hashmat Ali, Delhi, I.
 Mohd. Fayuzur-Rahman, Lahore, II.
 Malik Salah-ud-Din Khan Ahmadi, J.A., Qadian, II.
 Qazi Mohd. Saleem, J.A., Qadian, II.
 Taj Jaisari, O.C., II.
 Mohd. Akram, Sialkot, II.
 Abdul Hakim, O.C., III.
 Malik Abdullah Khan, J.A., Qadian, III.
 Mohd. Sarwar Khan, J.A., Qadian, III.
 Zahur-ul-Hassan Nasir, Gurdaspur, III.
 Sheikh Abdul Qadir, J.A., Qadian, III.
 Abdul Latif Kapurthalvi, J.A., Qadian, III.
 Hafiz Syed Rashid Ahmad, Lahore, III.
 Abdul Manan Umar, Gurdaspur, III.
 Abul Bashar Mohd. Safiqullah, Lahore, III.
 Sheikh Mohd. Ismail Ahmadi, Gurdaspur, III.
 Jalal-ud-Din, J.A., Qadian, III.
 Sahibzada Abul Hassan (Qudsi), J.A., Qadian, III.
 Mohd. Yusuf, Lahore, III.

1931

Mahbub Alim Khalid, J.A., Qadian, III.
 Ahdullah, Gurdaspur, III.
 Mohd. Sharif Ahmadi, Rawalpindi, III.
 Abdullah, O.C., III.
 Ahmad Khan Nasim, J.A., Qadian, III.
 Nazeer Ahmad Sialkoti, J.A., Qadian, III.
 Abdul Ghafoor Jullunduri, J.A., Qadian, III.
 Mohd. Jaffar, Delhi, III.
 Ghulam Mustafa, J.A., Qadian, III.
 Mohy-ud-Din, Gurdaspur, III.
 Hafiz Ahmad Said, Shahpur, III.
 Abdul Qayyum, Quetta, III.
 Massih uz Zaman, Sialkot, III.
 Mubarak Ahmad, J.A., Qadian, III.
 Abdur Rahman (Talwandi), Gurdaspur, III.
 Mahmud, Dera Ghazi Khan, III.
 Syed Zavar Hussain, Rohtak, III.
 Mohd. Shafi, O.C., III.
 Ahmad Nur (Saikhwani), Gurdaspur, III.
 Abdus-Salam Khan, Lahore, III.
 Mohd. Abdur Rahman, Bannu, III.

1931

Mirza Abdur Rahman, J.A.,
Qadian, III.
Mohd. Yamin, Lahore, III.
Saleh Mohd. (Ahmadi), J.A.,
Qadian, III.
Abdul Qadir, Lahore, III.
Khlilur-Rahman, Delhi, III.

1931

Saraj Ahmad, Lahore, III.
Mohd. Nadir Hussain (Siddiqi),
Lahore, III.
Nur Ahmad, O.C., III.
Rasool Shah, O.C., III.
Abdul Qayyum, Lahore, III.
Khalilur-Rahman, O.C., III.

HONOURS IN PERSIAN (Munshi Fazil), 1931.

1931

Syed Ansar Hussain Zaidi,
Lahore, II.
Raja Abdul Aziz Khan, O.C.,
II.
Abdul Aziz, Lahore, II.
Ghulam Mohd. Fitrat, Attock,
II.
Malik Abdul Haq Kamil, Lyall-
pur, II.
Mir Allah Bakhsh, Gujranwala,
II.
Abdul Wahid Salimi, Jind, II.
Syed Talib Hussain, Lahore,
II.
Ahmad Din Shaker, Jhang, III.
Rashid Ahmad, Lahore, III.
Hafiz Manzoor Ahmad, Lahore,
III.
Ahmad Hassan, Lahore, III.
Ali Mohd. Khan Akhtar, Lahore,
III.
Mohd. Ismail Khan Qadri, Gur-
daspur, III.
Nur Ahmad Anwar, Muzaffar-
garh, III.
Mohammad Hussain, Amritsar,
III.
Abdur Rahman Wafa, Rawal-
pindi, III.
Zahur-ul-Hassan Butt, Amritsar,
III.
Rashid Ahmad, Lahore, III.
Mirza Mohd. Zawar Hussain,
Lahore, III.

1931

Sheikh Abdur Rahman, O.C.,
III.
Ahmad Hassan, Lahore, III.
Abdul Ghaffar, Amritsar, III.
Mohd. Abdul Karim, Gujrat,
III.
Mohd. Moosa Khan, Mianwali,
III.
Abdul Aziz Khurshid, O.C.,
III.
Abdul Wahid Shah Wahid,
Lahore, III.
Abdul Ghani Farooqi, Lahore,
III.
Bashir Ahmad Razwani,
Ludhiana, III.
Habibullah, Lahore, III.
Mohd. Abdul Qayum Qureshi,
Lahore, III.
Nazir Mohd. Khan, Ludhiana,
III.
Mohd. Afzal Malik, Lahore,
III.
Ghulam Ali Havi, Lahore, III.
Mohd. Baqir Naseem Rizwani,
Gujrat, III.
Mohd. Rafiq, Lahore, III.
Waryam Singh Barq Shadani,
O.C., III.
Fazal Mohd., Lahore, III.
Sh. Khurshid Anwar Jilani,
Gurgaon, III.
Syed Iqbal Haider Iqbal Abdi,
Lahore, III.

1931

Mohd. Rafi-ud-Din, Kashmir, III.
 Syed Nazar Hassan, Ludhiana, III.
 Syed Safi Murtaza, Lahore, III.
 Bashir Ahmad, Multan, III.
 Abdur Rahman, Hazara, III.
 Wahid-ud-din, Lahore, III.
 Muhammad Abdul Gham, Hoshiarpur, III. | III.
 Muhammad Sadiq, Kashmir, Nawab-Din, Sialkot, III.
 Khuda Bukhsh Kausar, Shahpur, III.
 Nazeer Hassan Mirza, Dera Ismail Khan, III.
 Hashmat Ali, Montgomery, III.
 Bahadar Ali Khan, Dera Ismail Khan, III.
 Naseer-ud-Din (Sheikh), Gujranwala, III.
 Qureshi Muhammad Amin Shah, Dera Ismail Khan, III.
 Mrs. G. Warris, Lahore, III.
 Akbar Ali, Rawalpindi, III.
 Syed Shanmim Haider Shamim Zaidi, Lahore, III.
 Sheikh Naseer-ud-Din, Lahore, III.
 A. A. Butt, Simla, III.
 Raja Ram, O.C., III.
 Mansur-ul-Aziz Minhas, Gujranwala, III.
 Muhammad Ishaq Khan, Lahore, III.
 Fazlur Rahman, Peshawar, III.
 Muhammad Siddiq Khan, Roh-tak, III.
 Muhammad Din Talib, Hoshiarpur, III.
 Sayyid Muhammad. Hasan, Multan, III.
 Akbar Ali Shah Syed, Kohat, III.
 Syed Wazir-ul Hassan Zaidi, Delhi, III.
 Farman Ali, Gujranwala, III.

1931

Bahawal Bakhsh, Attock, III.
 Wazir Muhammad Khan Mah-joor, Peshawar, III.
 Zia-ud-Din Ahmad Siddiqi, Lahore, III.
 Aziz Ahmad, Rawalpindi, III.
 Abdur Rashid, Jamnu, III.
 Sayed Misbahur Rahman Bukhari, Lahore, III.
 Sayed Anwar Hassan Naqwi, Lahore, III.
 Murid Ahmad, Shahpur, III.
 Ghulam Hussain, Attock, III.
 Hakim Abdul Haq Nabaz, Amritsar, III.
 Sheikh Fazal Haq, Lahore, III.
 Ghulam Qasim, Lyallpur, III.
 Muhammad Khan, Lahore, III.
 Sayed Mubarak Shah Gilani, Kohat, III.
 Muzaifur Ali, Rawalpindi, III.
 Sayed Ahmad Nadwi, Peshawar, III.
 Ata Ullah Khan, O.C., III.
 Abdur Raza, Lahore, III.
 Karim Bakhsh, Sialkot, III.
 Raja Maula Dad Khan Manjua, Lahore, III.
 S. M. Shafee, Lahore, III.
 Ajaz Hussain, Lahore, III.
 Fazal Qadoos, Peshawar, III.
 Barkat Ali Shah, Lahore, III.
 Malik Sher Ahmad Khan, Lahore, III.
 Bashir Hussain, Lahore, III.
 Shafeeq Ahmad, Lahore, III.
 Tauqir Ahmad, Lahore, III.
 Munawar Ali Mirza, Lahore, III.
 Abdur Rahman, Lahore, III.
 Abdur Rashid Khokhar, Gujranwala, III.
 Mohd. Sharif, Ludhiana, III.
 Ata Mohyud Din, Lahore, III.
 Abdul Hamid *alias* Maula Bakhsh Gandhi, Amritsar, III.

1931

Sheikh Mohammad Umar Talib,
Gujranwala, III.
Mohd. Yasin, Lahore, III.
Saraj-ud-Din, Lahore, III.
Mohd. Bakhsh, Montgomery,
III.
Mahmud Ali Qureshi, Lahore,
III.
Bashir Mohd. Khan Qais Sher-
wani Nizami, Jammu, III.
Khuda Bakhsh Muztar, Sialkot,
III.
Gulam Nabi, Kashmir, III.
Abul Aziz Khawaja Mohd. Shafi,
Jhang, III.
Tufail Ahmad, Montgomery,
III.
Ch. Nasarullah Khan, Lahore,
III.
Ata Mohd. Nadeem, Jhang, III.
Akbar Husain, Rawalpindi,
III.
Shafeeq Ahmad Khan, Lahore,
III.
Niaz Mohd., Ludhiana, III.
Nur Mohd. Anwar, Jhang, III.
Azizur Rahman Khan, Peshawar,
III.
Ghulam Rasul, Peshawar, III.
Sher Mohd. Khan, Hoshiarpur,
III.
Mohd. Ayyubur Rahman, O.C.,
III.
Karamt Ali Shah, Lahore, III.
Mohd. Riwayat-Din, Lahore,
III.
Mohd. Latif, Lahore, III.
Ghulam Mustafa Shah, Kash-
mir, III.
Ali Bakhtiar Ansari, Hoshiar-
pur, III.
Phuman Singh, Ludhiana,
III.
Tek Chand Popli, Attock, III.
Hafiz Mohd. Sharif, O.C., III.
Qazi Mohd. Din Siddiqi, Mont-
gomery, III.

1931

Mitha Khan, Sibi, III.
Miss A. Bakhsh, Multan, III.
Fazal-ud-Din, Lyallpur, III.
Mohd. Abdul Qayum Natiq,
Lahore, III.
Hafeezur-Rahman, Lahore, III.
Q. Abdul Haq, Gujrat, III.
Mohd. Abdul Rauf, Attock,
III.
Abdus-Salam, Gurgaon, III.
M. Abdul Ghani, Hoshiarpur,
III.
Abdul Haiy Qureshi, Lahore,
III.
Ch. Mohd. Nazeer, Lyallpur,
III.
Khuda Bakhsh, Dera Ghazi
Khan, III.
Mahboob Alam, Gujranwala,
III.
Mohd. Yar Khan, Dera Ghazi
Khan, III.
Mohd. Isa, Lyallpur, III.
Ata Mohd. Khan, Dera Ghazi
Khan, III.
Nur Mohd. Qadri, Gurdaspur,
III.
Mohd. Rashid Khan, Lyallpur,
III.
S. Saadat Ali, Jhang, III.
Nizam-ud-Din, Attock, III.
Shano Ram Ahuja, Lahore,
III.
Mohd. Azeem, Lyallpur, III.
Nur Ilahi, Darul Alum Hanfia,
Kasur, III.
Mohd. Iqbal Hamid, Lahore,
III.
Sardar Khan, Shahpur, III.
Ghulam Ahmad, Hazara, III.
Mohd. Noor-ud-Din Ansari,
Lahore, III.
Faqir Chand, Amritsar, III.
Mohd. Ashraf Ali, Lahore, III.
Sardar Mohd., Jullundur, III.
Ghulam Ali Alwi, Ludhiana,
III.

1931

Fazal Ilahi Salik, Gujrat, III.
 Masood Shah Khan, Lahore, III.
 Saraj Din, Gujranwala, III.
 Hakim Mohd. Yusuf, Lyallpur, III.
 Gul Mohd. Khan, Kashmir, III.
 Ch. Fazal Ilahi Fazal, Madrisa Fazilia, Batala, III.
 Mohd. Warris Khan, Lahore, III.
 Syed Ali Hussain Shah, Lyallpur, III.
 Mohd. Ali, Montgomery, III.
 Abdur Rahman, O.C., III.
 Din Mohd., Montgomery, III.
 Muhammad Daud, Jammu, III.

1931

Malik Mohd. Umar Akram, Karnal, III.
 Said Ahmad, Gujrat, III.
 Mohd. Ismail Khan Azi, Lahore, III.
 Muhammad Nasar Ullah, Gujranwala, III.
 Syed Sardar Ali, Jullundur, III.
 Syed Abdullah Kiyas, Lahore, III.
 Gulam Nabi Twakh, Lyallpur, III.
 Mohd. Sadiq, Attock, III.
 Muhammad Yasin, Lahore, III.
 Haji Ahmad Langwi, Gujrat, III.
 Sultan Mohammad Khan, Mianwali, III.
 Saeedullah Khan, Lahore, III.

1932.

FACULTY OF ORIENTAL LEARNING.

MASTER OF ORIENTAL LEARNING, 1932.

(Under Regulation 12, Calendar Page 157.)

Syed Iqbal Mohd. Sufi, Ferozepur.

Agha Mohd. Baqir, Lahore.

Hari Sharma, Lahore.

S. Mohd. Siddiq Shah, Sheikhpura.

Sher Singh Gyani, Sialkot.

Ghulam Rabbani Aziz, Attock.

Shiv Lal Chopra, Patiala.

*S. Ibtisam Hasan Razvi, Aligarh.

*Q. S. Iqbal Hussain, Nagpur.

Mohammad Iqbal, Lahore.

Malik Hardev Bahri, O.C., III.

BACHELOR OF ORIENTAL LEARNING, 1932.

*Dina Nath Dhar, Kashmir, III.

FACULTY OF ARTS.

DOCTOR OF LITERATURE.

1919

Mohd. Sadr-ud-Din, M.A., Lahore.

1926

B. R. Chatterji, Calcutta.

1928

Hirananda Shastri, Ootacamund.

 * Not been admitted to the Degree.

MASTER OF ARTS.

1932

Vidya Sagar Nanda, G.C., English, I.
 Daulat Ram, G.C., English, II.
 *Vishwa Nath, G.C., English, II.
 Madan Lal Obroi, G.C., English, II.
 Sumat Prasada Jain, G.C., English, II.
 Mohd. Shafqat, G.C., English, II.
 *J. H. Vatsyayana, G.C., English, II.
 Abdul Wahid, G.C., English, II.
 Mahendra Prasad Jain, F.C.C., English, II.
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 Tikka Ram Aggarwal, G.C., English, III.
 Kashi Nath Jain, G.C., English, III.
 Om Parkash Kapur, G.C., English, III.
 Inder Nath Madan, G.C., English, III.
 Lal Chand Sahgal, K.C., English, III.
 A. H. Rodgers, Rawalpindi, English, III.
 Ala-ud-Din, F.C.C., English, III.
 Kesar Singh 'Kanwal', G.C., English, III.
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 Sohan Singh Bhatia, K.C., English, III.
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 Hardyal Sardana, Multan, English, III.
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 Somadatta Varma, O.C., Sanskrit, I.
 Shadi Ram Joshi, D.A.-V.C., Sanskrit, II.

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 *Mulkh Raj Bhatia, S.D.C., Sanskrit, II.
 *Jai Deva Sharma, D.A.-V.C., Sanskrit, III.
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 Abdul Aziz, I.C., Arabic, I.
 Abdul Hafeez, I.C., Arabic, II.
 Nasir-ud-Din Sideeqi, G.C., Arabic, II.
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 *Bhagwat Saroop Mathur, O.C., Persian, II.
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 *Ramanand, D.S.C., Mathematics, I. [matics, I.
 *Sultan Baksh, I.C.P., Mathematics, I.
 *Gian Chand Jairth, F.C.C., Mathematics, I.
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 *Hari Ram Gupta, G.C., Mathematics, III.
 *Nishan Singh Jaswal, Hoshiarpur, Mathematics, III.
 *Ganga Ram, F.C.C., Mathematics, III.
 *Sayed Bashir Ahmad, G.C., Mathematics, III.

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Har Dayal, F.C.C., Mathema-
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Mathematics, III.
Ch. Rahmat Ullah Khan, G.C.,
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Mathematics, III.
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Bakhshi Jaswant Singh, G.C.,
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Sardari Lal, G.C., Economics,
I.
Charanjiv Lal Kapila, G.C.,
Economics, II.
Daya Krishan Malhotra, G.C.,
Economics, II.
Kewal Krishna Dewatt, Lu-
dhiana, Economics, II.
Prem Sagar Suri, F.C.C.,
Economics, II.
*Pran Nath Narang, G.C.,
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Champat Rai, G.C., Economics,
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Amolak Ram Maingi, F.C.C.,
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I.C., Economics, II.
Rameshwar Dayal Mathur,
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Jamil Asghar Qureshi, G.C.,
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C. L. Khanna, F.C.C., Econo-
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 *A. Majeed Mallick, Lahore, Economics, III.
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 Agha Habib, F.C.C., Economics, III.
 *Chiman Lall Suri, G.C., Economics, III.
 Terhi Singh Vidyarthi, D.A.-V.C., Economics, III.
 Khawaja Muhammad Aslam, G.C., Economics, III.
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 *Kishan Singh Jodhka, F.C.C., Economics, III.
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 *Muhammad Sardar Khan, G.C., Economics, III.
 Kh. Said Ahmad Haroon, G.C., Economics, III.
 Roshan Lal, Lahore, Economics, III.
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 Gian Chand Aggarwal, D.A.-V.C., Economics, III.

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 Nabi Ahmad, G.C., Philosophy, II.
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 *Bashir Ahmad, G.C., Philosophy, III.
 *Devki Nandan Ghuliani, Bahawalpur, Philosophy, III.
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 *B. L. Kapur, G.C., Philosophy, III.
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 *Dwarka Nath, G.C., Psychology, III.
 *Faiz Muhammad Khan, G.C., Psychology, III.

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 *Agha Abdul Hamid Khan, (Honours in English), G.C., I.
 *Allah Dad Khan, S.E.C., I.
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 *Bibhabasudas, (Honours in Sanskrit), S.P.C., II.
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 *Satya Bhushan Gupta *alias* Bhayyæ Ram Gupta, (Honours in Sanskrit), D.A.-V.C., II.
 Gyan Singh Vohra, G.C., II.
 Gyan Singh Kahlon, (Honours in History), G.C., II.
 *Amrit Lal, Bhandari, G.C., II.
 Mohammad Ashraf, Lahore, II.
 M. Inayat Ullah, (Honours in Persian), G.C., II.
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 Sheikh Bashir Ahmad, (Honours in English), G.C., II.
 Kanwar Daulat Singh, G.C., II.
 *Khurshid Anwar, G.C., II.
 *Sardar Singh "Arman", G.M.C., II.

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Jodh Singh, Quetta, II.
 Mahmud Ali Anwar, (Honours in Mathematics), G.C., II.
 Mohd. Akhtar, G.M.C., II.
 Lal Chand Tuli, (Honours in Mathematics), D.A.-V.C., II.
 Prakash Chand Punj, F.C.C., II.
 Devendra Nath, (Honours in Sanskrit), G.C., II.
 Shiv Kumar, G.C., II.
 Lachhmi Narain Aggarwal, G.M.C., II.
 *Hazur Singh Pruthi, G.C., II.
 Amir Ahmad Malik, G.C., II.
 Altaf Hussain Khawaja, (Honours in Physics), I.C., II.
 Nazeer Ahmad Naik, Mry.C., II.
 Tek Chand Sehgal, F.C.C., II.
 *Fazli-Haq Shaida, (Honours in Persian), I.C.P., II.
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 Vasu Dev Joshi, D.A.-V.C.J., II.
 Sh. Mohd. Oomar Farooq, (Honours in English), G.C., II.
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 C. Nehemiah Chauhan, (Honours in English), F.C.C., II.
 *Harnam Singh Chawla, G.C., II.
 *Hasnain, M.C., II.
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 Was Dev Kain, S.D.C., II.
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 Inam-ul-Haq, (Honours in Persian), I.C., II.
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 Bal Raj Chopra, D.A.-V.C., II.

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 *Partap Singh Sadana, K.C., II.
 Anant Ram Jain, D.A.-V.C., II.
 Inder Sen Sehgal, D.A.-V.C., II.
 Bhagwan Das Sawarn, F.C.C., II.
 *Bal Kishan Monga, F.C.C., II.
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 Raj Kumar Kothiala, F.C.C., II.
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 Sh. Abdul Hayi, G.M.C., II.
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 Durgadatt, F.C.C., II.
 *Harkishan Lal Talwar, F.C.C., II.
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 Balbir Chand Mehta, D.S.C., II.
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 *Ghulam Haidar Gagroo, P.W.C., II.
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 *Jesa Ram Tanoja, S.D.C., II.
 Muhammad Iqbal, G.M.C., II.
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 Lily Eleanore Michael, K.G.C., II.



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 Sohan Lal Gill, D.A.-V.C., II.
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 Amar Singh Chhatwal, F.C.C., III.
 Manohar Singh Kochhar, F.C.C., III.
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 P. Nair, (Honours in History), F.C.C., III.
 Pritam Singh Jain, F.C.C., III.
 *Sardari Lal Chawla, (Honours in Economics), F.C.C., III.
 I. R. Suchdev, F.C.C., III.

* Not been admitted to the Degree.

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*Emmanuel Mall, F.C.C., III.
 Maharaj Krishna Gupta,
 F.C.C., III.
 S. B. Omber, F.C.C., III.
 D. D. Chanani, F.C.C., III.
 Octavins Johnson, (Honours
 in History), F.C.C., III.
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 III.
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 Agha Muhammad Zaman
 Khan Ghaznavi, F.C.C., III.
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 Diwan Iqbal Nath Nanda,
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 Rashid Ahmad Ansari, G.C.,
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 Rashid Ahmad Khan Lodhi,
 G.C., III.
 Habeeb Ahmad, (Honours
 in English), G.C., III.
 Har Gurdayal Singh, G.C.,
 III.
 Bawa Sukhdev Singh Bedi,
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 Man Mohan Lal, G.C., III.
 Ghulam Hasan, (Honours in
 English), G.C., III.
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 (Honours in Arabic), I.C.,
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 ours in Persian), I.C., III.
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 I.C., III.
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 Ch. Ghulam Ahmad, I.C.,
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 Khuda Bux Qureshi, I.C., III.
 Mohd. Rafiq (Khawaja), I.C.,
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 Sheikh Abdush Shakur, I.C.,
 III.

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 *Ashraf, I.C., III.
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 *Shiekh Habib Ullah, S.P.C., III. [III.
 *Vidyananda Sudon, S.P.C., III.
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 *Sodarshan Dhar, S.P.C., III.
 Badri Nath Kaul, S.P.C., III.
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 *Brij Lal Munshi, S.P.C., III.
 *Srikanth Kaul, S.P.C., III.
 *Rugho Nath Khoda, S.P.C., III.
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 Milkhi Ram Kundra, M.C., III.
 Surat Ram Dadoo, M.C., III.
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 *Qazi Abdul Baqi Khan, M.C., III.
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 Shamsheer Chand, M.C., III.
 *Shant Sarup, M.C., III.
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 *Ch. Mohd. Bashir, M.C., III.
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 Hardyal Singh Mander, M.C., III.
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 *Balwant Gurcharan Singh Dhaliwal, M.C., III.
 Roshan Lal Nirola, M.C., III.
 Harbans Singh Sidhu, M.C., III.
 Raja Ram, M.C., III.
 Raj Kishan, M.C., III.
 Kundan Singh, M.C., III.
 Gul Mohammad Butt, (Honours in Arabic), I.C., III.
 Durga Dass, S.D.C., III.
 Mohammad Fazal-e-Hakim, M.C., III.

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BACHELOR OF ARTS (SUPPLEMENTARY).

1932

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 Mukand Lal Khatri, Lahore, I.
 *Niranjan Lal Gupta, Karnal, II.
 Ganpat Rai Gupta, D.A.-V.C., II.
 Narain Singh Gujral, Rawalpindi, II.
 Sain Das Bhalla, D.A.V.-C.J., II.
 Abdul Aziz Khan, G.M.C., II.
 Madan Lal Bakhshi, D.S.C., II.
 Pishori Lal Sharina, Mry.C., II.
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 Winifred D'Souza, L.W.C., II.
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 Mohd. Shafie, G.C., II.
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 Diwan Kahan Chand, D.S.C., II.
 Sant Singh 'Nirman', Ferozepur, II.
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 *Sunder Lal, F.C.C., II.
 Bachaspaty Dabral, Lahore, II.
 Sultan Ahmad Bajwa, G.C., II.
 Khadim Mohy Din, F.C.C., II.
 Indar Bhan, Mianwali, II.

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 Har Parkash Soneja, G.C., II.
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 Tehla Ram, D.S.C., II.
 Mohan Lal, D.A.-V.C., II.
 Lakha Singh Randhawa, D.S.C., II.
 Chuni Lal Kawatra, D.S.C., II.
 Madho Lal Dhawan, Lyallpur, II.
 Mulk Raj Kohly, D.S.C., II.
 Sumitra Bhagat, Lahore, II.
 Manzoor Ahmed, G.C., II.
 Chaman Lal Mahay, D.S.C., II.
 K. Devi Singh Bhayala Parmar, Hoshiarpur, II.
 *Kamla Vati Atal, K.G.C., II.
 *Puran Chand Gupta, Hissar, III.
 Rati Ram Prashar, Hissar, III.
 Mam Chand Sharma, Rohtak, III.
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 Sangramjit Jerath, Ambala, III.
 Mohammad Ishaque, Gujranwala, III.
 Mohd. Munir Khan, Sialkot, III.
 Narain Dass, Rawalpindi, III.
 Gian Chand Sharma, Jammu, III.

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 Mohd. Akram, Lahore, III.
 *Jagan Nath, Kapur, Lahore,
 III.
 Amir Abdullah Khan Niazi,
 Multan, III.
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 III.
 Durga Dutt, Sharma, K.C., III.
 Pran Nath, Sharma, D.A.-
 V.C., III.
 Ajaib Singh, D.A.-V.C., III.
 Shiv Dayal Sansi, D.S.C., III.
 Dina Nath Khanna, D.S.C.,
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 *Gopal Dass Nangia, D.S.C.,
 III.
 Juginder Singh, Bhatia, D.S.C.,
 III.
 Attar Singh, D.S.C., III.
 Kehar Singh Bedi, F.C.C., III.
 Surendra Singh, F.C.C., III.

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*Manbhawan Singh, Jain,
 F.C.C., III.
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 Chaudhri Jiwan Lal, F.C.C.,
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 (Kamboh), G.C., III.
 Mohindra Singh, Dhillon, G.C.,
 III.
 Z. A. Hussain, Gujrat, III.
 Iftakhar-ul-Haq Khan, Gur-
 daspur, III.
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 Jullundur, III.
 Devi Lal Sharma, Lahore,
 III.
 Syed Nur Ahman Shah,
 Peshawar, III.
 Mohd. Ashraf, Peer, Bahawal-
 pur, III.
 Malik Indra Nath Anand,
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FACULTY OF SCIENCE.

DOCTOR OF SCIENCE.

1918

Baini Prashad, M.Sc., Lahore.

1919

Ramji Narain Mohra, M.Sc., Lyallpur.

1920

*K. N. Bahl, M.Sc., Lahore.

1922

Sunder Lall Hora, M.Sc., Calcutta.

* Not been admitted to the Degree.

1923

B. N. Chopra, M.Sc., Calcutta.

1925

G. S. Cheema, M.Sc., Poona.

1928

*H. L. Chhibber, Rangoon (Burma).

1929

S. L. Bhatia, Lahore.

1930

Dina Nath Goyle, Lahore.
M. Sharif, Bombay.

1931

Mohan Lal Sethi.

1932

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MASTER OF SCIENCE.

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1932

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*Hari Krishon Dua, G.C., Physics, II.	Mohindar Nath Kapur, G.C., Physics, III.
Mohan Singh Sahai, G.C., Physics, II.	P. K. Das Gupta, G.C., Physics, III.
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Zoology, II.
Duloram Raina, G.C., Zoology,
III.

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Mohammed Rafi, G.C., Botany,
*Pushker Nath, G.C., Botany,
II.
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Botany, II. [II.
Jagtar Singh, G.C., Botany,
Mohd. Zulfiqar Khan, G.C.,
Botany, II.
Kashmiri Lal Bhatia, G.C.,
Botany, II.
Nazeer Ahmad, I.C., Botany,
II.
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Botany, II.
Raghu Nath Dass, F.C.C.,
Botany, II.
Prem Nath Suri, F.C.C.,
Botany, II.
*Krishan Lall, G.C., Botany,
II.

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Zoology, II.
Harbhajan Singh, F.C.C.,
Chemistry, I.
Girdhari Lal Seth, F.C.C.,
Chemistry, II.
Jai Dev Varma, F.C.C.,
Chemistry, II.
Tara Chand Chadha, F.C.C.,
Chemistry, II.
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Chemistry, II.
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Sant Ram Seth, G.C.,
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Gian Chand Dang, F.C.C.,
Chemistry, III.
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Chemistry, I.
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Chemistry, I.
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Chemistry, I.
Narendra Nath Sahai, G.C.,
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Anirudh Singh, D.A.-V.C.,
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 Sham Singh Kapoor, G.C., Zoology, II.
 Mohan Singh Bebraw, F.C.C., Zoology, II.
 *Shahab-ud-Din Khan, F.C.C., Zoology, II.
 Gobind Ram Gadhoke, G.C., Zoology, II.
 H. C. Nijhawan, G.C., Zoology, II.
 *Kundan Lal, D.A.-V.C., Zoology, III.
 Nazir Ahmad, G.C., Zoology, III.

BACHELOR OF SCIENCE.

1932

- Raj Kumar, (Honours in Physics), G.C., I.
 Alfred Alexander Evans, G.C., II.
 *J. A. Lincoln, F.C.C., II.
 *Shiv Kumar, F.C.C., II.
 Minoo Framroze, F.C.C., II.
 Rashid Ahmed, I.C., II.

1932

- F. M. Nafis, F.C.C., II.
 Jagan Nath Dhar, P.W.C., II.
 Aziz-ul-Hassan, K.C., II.
 *Mohamed Shafi, I.C., II.
 Kuldip Chand Kesar, F.C.C., II.
 Arshad Ali Shah, I.C., II.
 Firoz-ud-Din, F.C.C., II.

* Not been admitted to the Degree.

1932

Jamna Das Parti, D.A.-V.C., II.
 Sant Singh Dugal, K.C., II.
 *Sudershan Lal Paliwal, D.A.-V.C., II.
 *Rangi Ram Marwaha, P.W.C., II.
 *Ghulam Mohammad Khan, I.C.P., II.
 M. C. Reid, Lahore, II.
 G. R. F. Prince, G.C., II.
 Sarjit Singh Bhatia, F.C.C., II.
 *Sh. Hamid Hussain, Patiala, II.
 Herbert William Meyers, G.C., II.
 Kanwal Rattan, G.C., II.
 Asa Nand Khandiya, D.A.-V.C., II.
 Prem Nath Sud, D.A.-V.C., II.
 Hakim Ali, G.C., II.
 Sansar Chand Murghai, D.A.-V.C., II.
 Inayat Ullah, I.C., II.
 Nil Kanth Sharma, Lahore, III.
 Rajindra Nath Pandit, Lahore, III.
 Mohd. Khan, Peshawar, III.
 Mohindra Nath Nayar, K.C., III.

1932

*Krishan Kumar Nijhawan, K.C., III.
 Udham Singh Cheema, K.C., III.
 Awtar Singh Kamalvi, K.C., III.
 Bodhatam Dev Sharma, D.A.-V.C., III.
 Diali Ram Sehgal, D.A.-V.C., III.
 Kanshi Ram Anand (Hazrovy), D.A.-V.C., III.
 Prem Sagar, F.C.C., III.
 Prithvinath Kak, F.C.C., III.
 *Bireshwar Nath Sharma, F.C.C., III.
 *Agha Mohammad Ali Khan, F.C.C., III.
 Sohan Lall Marwaha, F.C.C., III.
 *Abdul Rahman, I.C., III.
 Ch. Mohd. Shafi, I.C., III.
 Masud Ahmad, I.C., III.
 Mirza Mohd. Ahmad, I.C., III.
 Ghulam Ahmad Khan, I.C.P., III.
 Amar Nath Khosla, P.W.C., III.
 Prithi Raj Vij, P.W.C., III.
 *†I. D. Dham, D.S.C.
 †H. Habib Ullah Khan, Ghaznavi, I.C.
 †Aziz Ahmad, Qureshi, F.C.C.

BACHELOR OF SCIENCE (SUPPLEMENTARY).

1932

Amrit Lal Ahluwalia, D.A.-V.C., II.
 Som Parkash Kalsy, G.C., II.

1932

E. S. Cyprian, F.C.C., II.
 *Abdul Ghafoor Khan, I.C.P., II.

* Not been admitted to the Degree.

† Passed under Regulation 21, Calendar (1932-33), page 330
 (*Syndicate Proceedings*, dated the 4th November, 1932).

1932

Vidya Parkash Lal Tejpal,
Simla, II.
Sohan Lall Sawhney, D.A.-
V.C., II.
Gurbakhsh Singh Liddar,
K.C., II.
S. Ahmad Afzal, Lahore, III.

1932

*Dwarka Das, D.A.-V.C., III.
*Achhar Mall Sharma, F.C.C.,
III.
Wali Mohammad, I.C., III.
*Pushkar Nath Trackroo,
P.W.C., III. [III].
*Janki Nath Bakaya, P.W.C.,

FACULTY OF AGRICULTURE.

MASTER OF SCIENCE IN AGRICULTURE.

1932

Fazluddin, Lyallpur, Botany,
II.

1932

Parkash Chand Raheja, A.C.,
Botany, II.

BACHELOR OF SCIENCE IN AGRICULTURE.

1932

*Khushi Muhammad Jullun-
duri, A.C., II.
*Abdul Aziz, A.C., II.
*Autar Singh, A.C., II.
*Suraj Balram Sethi, A.C., II.
Gurcharan Singh, A.C., II.
*Vishwa Nath Vij, A.C., II.
*Thakur Sen Negi, A.C., II.
Jagat Ram Seth, A.C., II.
Khushi Ram Gahlaut, A.C.,
II.
*Niaz Mohammad Chaudhri,
A.C., II. [II].
*Keshab Chand Sharma, A.C.,
*Mir Mohammad, A.C., II.
Pritam Singh Kahlon, A.C.,
II.
Nadir Ali, A.C., II.

1932

*Abnash Chandra Nanda, A.C.,
II.
*Harbhajan Singh, A.C., II.
*Jagat Ram Jaggi, A.C., II.
Ch. Shahbaz Khan Bajwa,
A.C., II.
*Amin Lall, A.C., II.
*Ch. Khushi Mohd., A.C., II.
Amar Singh Pannu, A.C., II.
*Balwant Singh G. Sangha,
A.C., III.
*Gian Parkash, A.C., III.
Hakim Singh, A.C., III.
Hari Singh Garcha, A.C., III.
Jogindar Singh Sidhu, A.C.,
III.
Lahori Ram (Benwat), A.C.,
III.

* Not been admitted to the Degree.

1932

Madan Lal Khanna, A.C., III.
 Mohd. Ibrahim, A.C., III.
 Mohd. Ismail Hoshiarpuri,
 A.C., III.
 Mohd. Sharif, A.C., III.

1932

*Sikandar Khan Khitran, A.C.,
 III.
 *Arjan Singh, A.C., III.
 *Allah Bakhsh, A.C., III.
 *K. C. Bhandari, A.C., III.

BACHELOR OF SCIENCE IN AGRICULTURE (SUPPLEMENTARY).

1932

Asa Nand Dhingra, A.C., II.
 Ajai Singh, Grewal, A.C., II.
 *Bishan Singh, Ferozepuri,
 A.C., II.
 Tufail Mohammad, A.C., II.
 Laskhar Singh, A.C., II.
 *Manmohan Singh Bash Mul-
 tani, A.C., II.
 *Kehr Singh, A.C., II.
 *Fateh Sher, A.C., II.
 N. Q. Rabbani, A.C., II.
 Abdul Wahab Khan, A.C., II.

1932

Gurmel Singh Sidhu, A.C.,
 II.
 Hardy Singh, Jullunduri,
 A.C., II.
 Sita Ram Obhroi, A.C., II.
 Hari Singh, Rawalpindi, A.C.,
 III.
 Hardy Singh, A.C., III.
 Nanak Singh, A.C., III.
 Sangat Singh, A.C., III.
 Mohd. Iqbal, A.C., III.
 *Ghulam Sarwar, A.C., III.

FACULTY OF ARTS.

BACHELOR OF TEACHING EXAMINATION.

1932

Dov Raj Seth, C.T.C., I.
 Mushir Ali Khan Akhtar,
 C.T.C., I.
 *Ghulam Qadir Qureshi,
 C.T.C., I.
 *N. Sikandar Khan, C.T.C., II.
 *(Miss) B. Phillips, C.T.C.,
 II.
 Ravidatt Dhaniram Dikshit,
 C.T.C., II.
 Yagesh Chandra Tripathi, Gur-
 daspur, II.

1932

*Ram Narain Chandna, C.T.C.,
 II.
 Mewa Singh, C.T.C., II.
 Harish Chandra Sharma,
 C.T.C., II.
 Bir Singh Mander, C.T.C., II.
 Desh Raj, Jullundur, II.
 Faqir Chand Kapur, C.T.C., II.
 *Ram Chandra Agarwal,
 Hissar, II.
 *Mehr Abdul Hamid, C.T.C.,
 II.

* Not been admitted to the Degree.

1932

Mohamed Hasan, C.T.C., II.
 Sheikh Mohd. Iqbal Talib,
 Lahore, II.
 *Man Mohan Swarupa
 Bhatnagar, C.T.C., II.
 Mohan Singh Puri, Amritsar,
 II.
 Narain Das Bhatia, C.T.C., II.
 Gyan Devi Chopra, C.T.C.,
 II.
 Bhagwant Rai, C.T.C., II.
 Kundan Lall Sharina, C.T.C.,
 II.
 Mohd. Raza Khan Tarin,
 C.T.C., II.
 Syed Nazar Mohd. Bukhari,
 C.T.C., II.
 Amar Kunnari Varma, C.T.C.,
 II.
 Devki Nandan, Nabha, II.
 Sh. Zafar Iqbal, Lahore, II.
 Harcharan Singh Bajwa,
 C.T.C., II.
 Hakumat Rai, Ferozepur, II.
 Ch. Mohd. Said, C.T.C., II.
 Rashid Ahmad Mansoor,
 C.T.C., II.
 *Sheikh Fazl Ilahi, C.T.C., II.
 *Nasir Ali, C.T.C., II.
 Daulat Ram Sharina, Ambala,
 II.
 Kartar Singh, C.T.C., II.
 *Kesho Lal, Delhi, II.
 Des Raj Jain, C.T.C., II.
 Kishen Dyal, C.T.C., II.
 *Muhammad Wazir Khan,
 C.T.C., II.
 Har Prakash Wasudeva,
 C.T.C., II.
 Sri Ram Gopal, C.T.C., II.
 *Amar Singh Pannu, C.T.C.,
 II.
 *Asa Singh A's, Gujrat, II.
 Hari Datt Sharma, Lahore, II.
 A. N. Ramaswamy, C.T.C., II.

1932

*Ruth Mathews, C.T.C., II.
 *Randhir Singh, C.T.C., II.
 Sardar Singh Rataul, C.T.C.,
 II.
 Chaman Singh, Gujrat, II.
 Harnam Singh, Lahore, II.
 Som Datt Malhotra, C.T.C.,
 II.
 *Bhagirath Lal, C.T.C., II.
 Brij Lal Duggal, Gurdaspur,
 II.
 *Ruchi Ram, Rawalpindi, II.
 *(Miss) E. Andrews, C.T.C.,
 III.
 Muhammad Iqbal, Hoshiar-
 pur, III.
 *Brij Lal Ahuja, Peshawar,
 III.
 Faqir Chand Kanwarpal,
 Jullundur, III.
 Ram Singh Garewal, Ludhiana,
 III.
 Mai Dayal Jaina, Ambala, III.
 Amar Nath Gupta, C.T.C.,
 III.
 *Agia Ram Bhalla, Hoshiar-
 pur, III.
 *Amar Nath Sood, C.T.C., III.
 *Nihal Chand Goyal, C.T.C.,
 III.
 Abdul Aziz Chouderi, C.T.C.,
 III.
 Kanshi Ram Pasricha, Rohtak,
 III.
 Bansi Lal Sharma, Hoshiarpur,
 III.
 Amolak Ram Kaushik,
 Hoshiarpur, III.
 Jugal Kishore Gupta, Ambala,
 III.
 Irshad Yusaf Khan, C.T.C.,
 III.
 Bakhshish Singh, C.T.C., III.
 Malik Fazl Qadir, Jullundur,
 III.

* Not been admitted to the Degree.

1932

- *Malik Sher Bahadur, C.T.C., III.
 Muhd. Razi-ud-Din Hasan, Sialkot, III.
 *Mian Abdul Wadud, Peshawar, III.
 Dina Nath, Gujranwala, III.
 Ata Muhammad, C.T.C., III.
 Dina Nath Varma, C.T.C., III.

1932

- Maqbool Khan, Jammu, III.
 *Sher Muhammad Malik, C.T.C., III.
 Manohar Lal Wadhera, C.T.C., III.
 Agha Mohd. Baqir, C.T.C., III.
 (Miss) P. Bhojsingh, C.T.C., III.

FACULTY OF LAW.

List of persons upon whom Degrees have been conferred under Section 14, Act XIX, 1882.

BACHELOR OF LAW.

1932

- Muhammad Akram Sheikh, L.C., I.
 Surajlal Chopra, L.C., I.
 *Bajrang Das, L.C., I.
 Harbans Lal Sarin, L.C., I.
 Mohan Lall Verma, L.C., I.
 Nand Kishore Kashyapa, L.C., I.
 *Bhagwan Swarup Basal, L.C., I.
 *Hira Lal Vaidya, L.C., I.
 *Chet Singh Gill, L.C., I.
 Amar Nath Kalyan, L.C., I.
 *Mohd. Ghani Cheema, L.C., I.
 *Sham Lal Katyal, L.C., I.
 Gopal Das, L.C., I.
 Bhagwan Singh, L.C., I.
 Swaran Singh, L.C., I.
 Bashir-ud-Din Ahmad Khan, L.C., I.
 *Gurbakhsh Singh, L.C., I.
 *Gyan Chand Bhandari, L.C., I.

1932

- *Kartar Nath Dhanda, L.C., I.
 *Som Prakash Varma, L.C., I.
 Indar Singh Cheema, L.C., I.
 Manohar Lal Nanda, L.C., I.
 Satya Pal Kapur, L.C., I.
 Gurcharan Singh Hundal, L.C., I.
 Jeetandro Coomar Ghose, L.C., I.
 Bashir Ahmad Mirza, L.C., I.
 *Darbara Singh Virk, L.C., I.
 *B. S. Thapar, L.C., I.
 *Prithvi Singh Jain, L.C., I.
 *Malik Manzur Ilahi Awan, L.C., I.
 *Baldev Raj, L.C., I.
 *Mahavir Kapoor, L.C., I.
 *Mohd. Asad Khanzadah, L.C., I.
 *Inderjit Aggarwal, L.C., I.
 *Jagmohan Lall, L.C., I.
 *Amar Nath, L.C., I.
 *Hazara Singh Varach, L.C., I.

* Not been admitted to the Degree.

1932

Kundan Lal Dhall, L.C., I.
 *Ram Nath Langar, L.C., I.
 Sukhdev Singh Kaleka, L.C., I.
 *Mela Ram Dondona, L.C., I.
 *Ram Singh Singh, L.C., I.
 Gurdas Mal Kalra, L.C., I.
 Mohammad Said, L.C., I.
 Hari Chand Auplish, L.C., I.
 Basant Lal Malhotra, L.C., I.
 *Krishan Chander Puri, L.C., I.
 Vidya Sagar Sharma, L.C., I.
 Dalip Singh Ahluwalia, L.C., I.
 *Dwarka Nath Malhotra, L.C., II.
 Parkash Chandra Sahney, L.C., II.
 *Krishna Jiwan Khosla, L.C., II.
 *Lal Chand Kochhar, L.C., II.
 *Sh. Abdul Majid, L.C., II.
 *Rana Aftab Ahmad Khan, L.C., II.
 Kirpa Ram Sharma, L.C., II.
 *Amar Nath Verma, L.C., II.
 *Balwant Rai Gool, L.C., II.
 Faqir Chand Aggarwal, L.C., II.
 *Manohar Lall Oberoi, L.C., II.
 S. Mozaffar-ud-Din, L.C., II.
 *Anant Ram Sharma, L.C., II.
 Hari Kishen Bhatnager, L.C., II.
 *Puran Chand, L.C., II.
 Qadir Bakhsh, L.C., II.
 W. M. Merrill Sadoc, L.C., II.
 *Anand Sarup Khanna, L.C., II.
 *Gian Chand Katyal, L.C., II.
 Saeed-ud-Din Khan, L.C., II.
 Hari Nath Verma, L.C., II.
 Kulwant Singh, L.C., II.

1932

Prem Chand Saggar, L.C., II.
 Thakar Das Malhotra, L.C., II.
 Sukhdeva Munjal, L.C., II.
 *Amar Nath Jain, L.C., II.
 Bashir Ahmad Qureshi, L.C., II.
 *Tirath Singh Munjal, L.C., II.
 Mohammad Sharif, L.C., II.
 Shanti Lal Sondhi, L.C., II.
 Busharat Singh Dhillon, L.C., II.
 Dawarka Nath Gupta, L.C., II.
 *Ghulam Mustafa Malli, L.C., II.
 Wazir Singh, L.C., II.
 *Abdul Ghafoor Mahjoor, L.C., II.
 Janardhan Das Parihar, L.C., II.
 Madan Mohan Sekhri, L.C., II.
 Mohammad Zakir, L.C., II.
 *Bakhshi Dina Nath Sethi, L.C., II.
 *Mulk Raj Malhotra, L.C., II.
 Said Akbar Kaini, L.C., II.
 *Hari Chand Khurana, L.C., II.
 Kishori Lal Tejpal, L.C., II.
 Jagan Nath Widge, L.C., II.
 Raghbir Singh Palta, L.C., II.
 Rangi Ram Mehta, L.C., II.
 *Sher Singh Khobar, L.C., II.
 *Har Narain Batra, L.C., II.
 Moti Ram, L.C., II.
 *Chanan Singh Bhindar, L.C., II.
 Kundan Lal Devgun, L.C., II.
 *Narsingh Dass, L.C., II.
 *Hans Raj Chhibra, L.C., II.
 *Gopal Chandra Sain, L.C., II.
 Dwarka Dass Sodhi, L.C., II.
 *Mohd. Ismail Khan, L.C., II.

* Not been admitted to the Degree.

1932

- *A. Aziz, L.C., II.
 *Dharm Vir, L.C., II.
 *Ch. Dhian Singh, L.C., II.
 *Hans Raj Bahl, L.C., II.
 *Abhaya Singh Thakur, L.C., II.
 *Amar Ilahi, L.C., II.
 Anand Mohan Suri, L.C., II.
 *Gurcharn Singh, L.C., II.
 Krishan Ranjan Kaushal, L.C., II.
 Mohd. Ayub Khan, L.C., II.
 Ch. Abdur-Rabb, L.C., II.
 Gurcharn Singh Machla, L.C., II. [L.C., II.
 *Parshotam Singh Dandona, L.C., II.
 Mohd. Haq. Nawaz Khan, L.C., II.
 Chiragh Din, L.C., II.
 *(Sufi) Ghulam Mahboob Subhany, L.C., II.
 Brish Bhan Gupta, L.C., II.
 *Surya Paul Loomba, L.C., II.
 Yagindra Narain Mohindra, L.C., II.
 Indrajit Gupta, L.C., II.
 *Mehta Sohan Chand Datt, L.C., II.
 *Tilak Parkash Singh Pathania, L.C., II.

1932

- *Jagdishwar Nath Suri, L.C., II.
 *Muhammad Aslam Kahut Quraishi, L.C., II.
 *Prithmi Chand Kapur, L.C., II.
 Lekh Raj Sharma, L.C., II.
 Vishwa Nath Handa, L.C., II.
 Bansi Dhar Datta, L.C., II.
 Ch. Mohd. Sharif Randhawa, L.C., II.
 *Ch. Banta Singh Saini, L.C., II.
 Hans Raj Sharma, L.C., II.
 *Barkat Ram Marwaha, L.C., II.
 *Mahmood Ahmad Minto, L.C., II.
 *Niranjan Singh Sokhi, L.C., II.
 Mian Bashir Ahmad, Ahmadi, L.C., II.
 Baij Nath Kapur, L.C., II.
 *Sardari Lall Puri, L.C., II.
 Data Ram Sangari, L.C., II.
 *Nardev Chand Datta, L.C., II.
 Dina Nath Saini, L.C., II.
 Mohd. Abdullah Khan Afghan, L.C., II.

BACHELOR OF LAW (SUPPLEMENTARY).

1932

- *Amar Chand Vaid, L.C., I.
 Shanti Lal Dhall, L.C., I.
 Abdul Karim Chauhan, L.C., I.
 *Lal Chand Chaudhri, L.C., I.
 *Ch. Mehr Din, L.C., I.
 *R. Harbans Lall Bali, L.C., I.
 *Bhagwandas Sharma, L.C., I.
 *Chuni Lal Malhotra, L.C., I.

1932

- *Har Kishan Lall Chawla, L.C., I.
 *Gagan Dev Bhandari, L.C., I.
 *Dalip Singh Suri, L.C., I.
 *Mian Abdul Latif, L.C., II.
 *Chanan Singh, L.C., II.
 Bhagwan Das Mehra, L.C., II.
 *Harnam Singh Sethi, L.C., II.

* Not been admitted to the Degree.

1932

*Chandan Lal Aggarwal, L.C., II.
 Krishan Chandra Gupta, L.C., II.
 *Jagat Parshad Puri, L.C., II.
 *Jai Krishan Khosla, L.C., II.
 Shiv Raj Singh Kapur, L.C., II.
 Mast Ram, L.C., II.
 Pran Nath Kapoor, L.C., II.
 *Mumtaz Ali Khan, L.C., II.
 *Yudhishtira Varma, L.C., II.
 Hardial Singh, L.C., II.
 *Mohd. Azim Chohan, L.C., II.
 Hari Das Suri, L.C., II.
 Ved Prakash Kochhar, L.C., II.
 *Arvind Lal Chopra, L.C., II.

1932

Roshan Lal Suri, L.C., II.
 Ishwardas Gera, L.C., II.
 Nazcer Ahmad, L.C., II.
 Anup Chand Mehta, L.C., II.
 *Ram Saran Dass Sahgal, L.C., II.
 *Muni Lal Bhuchar, L.C., II.
 Durga Dass Chadha, L.C., II.
 Indar Datt, L.C., II.
 Roshan Lal Kapahi, L.C., II.
 Ch. Azizud Din, L.C., II.
 Khairati Ram Kalia, L.C., II.
 Dharam Raj Ahluwalia, L.C., II.
 Farzand Ali Chaudhri, L.C., II.
 Harbans Lal Mahajan, L.C., II.
 *Faqir Asghar Ali Siddiqi Kerbelai, L.C., II.

List of persons upon whom Diplomas have been conferred under Section 14, Act XIX, 1882.

LICENTIATES IN LAW.

Nil since 1908.

FACULTY OF MEDICINE.

List of persons upon whom Degrees have been conferred under Section 14, Act XIX, 1882.

DOCTOR OF MEDICINE.

1913

N. B. Khare, B.A., M.B.—Ordinary.

1918

Jiwan Lal, M.B.B.S.—With distinction.

* Not been admitted to the Degree.

1920

Yar Mohd. Khan, M.B.B.S.—With distinction.
Het Ram Aggarwal, M.B.B.S.—Ordinary.

1921

Regbeer Singh, M.B.B.S.—With distinction.
Mohammad Yusuf, M.B.B.S.—Ordinary.

1923

Dwarka Nath Kumar, M.B.B.S.—Ordinary.

1925

Madan Lal Rikhye, M.B.B.S.—Ordinary.
Jamiat Singh, M.B.B.S.—Ordinary.

1931

*Vishwa Nath—With distinction.

1932

Shujaat Ali, Lahore.

MASTER OF SURGERY.

1915

Ganesh Das Kapur, M.B.B.S.—Ordinary.

1923

*Roshan Lal Khera, M.B.B.S.—Ordinary.

* Not been admitted to the Degree.

SPECIAL FINAL PROFESSIONAL EXAMINATIONS FOR M.B.B.S.

1918

Jiwan Lal.

1921

*Narbada Prasad, L.M.S.
 Treelok Chandar Nanda, L.M.S.
 S. C. Roy, L.M.S.

BACHELOR IN MEDICINE AND BACHELOR IN SURGERY.

April, 1932.

1932

Mahmuda Ghulam Mohamad,
 L.H.M.C.
 Mirza Rafique Beg, K.E.M.C.
 *Partul Chand, K.E.M.C.
 Mohammad Alam, K.E.M.C.
 Sharda Naidu, L.H.M.C.
 *Roshan Lal Mehta, K.E.M.C.
 Bhagwan Dass, Ahuja,
 K.E.M.C.
 Hardit Kaur, L.H.M.C.
 Satya Narayan Khanna,
 K.E.M.C.
 *Riaz-ud-Din, Quraishy,
 K.E.M.C.
 Mohd. Hamidullah, K.E.M.C.
 Raghbir Singh, K.E.M.C.
 Raj Narain Mathur, K.E.M.C.
 Anasuya Mundlo, K.E.M.C.
 Rudra Muni, Bharthial,
 K.E.M.C.
 Partap Singh, Sindhu,
 K.E.M.C.

1932

Said-Ullah, K.E.M.C.
 Abdur Rashid Eirabia,
 K.E.M.C.
 *S. N. Khan, K.E.M.C.
 *Ajit Singh Gharjakhia,
 K.E.M.C.
 Rameshwar Dayal Swami,
 K.E.M.C.
 Sain Dass Maghlani, K.E.M.C.
 *Mohd. Sharif Khan, K.E.M.C.
 Harbans Singh Lohgarh,
 K.E.M.C.
 *Mohd. Amin Khan Durrani,
 K.E.M.C.
 Harbans Lal Anand, K.E.M.C.
 *Kapur Singh Sodhy,
 K.E.M.C.
 *Ganesh Sahai Mathur,
 K.E.M.C.
 *Muhammad Azam, K.E.M.C.
 *Mohd. Khurshid Ali,
 K.E.M.C.

* Not been admitted to the Degree.

October, 1932.

1932	1932
Tika Ram Tewari, K.E.M.C.	Tilak Ram Singla, K.E.M.C.
Santokh Singh Anand, K.E.M.C.	I. M. Lyall, L.H.M.C.
Vidya Sagar, K.E.M.C.	Sohan Lal Mohan, K.E.M.C.
Kirpa Ram Sud, K.E.M.C.	*Helen Ali Khan, L.H.M.C.
Manohar Lall, K.E.M.C.	Ishar Singh Bhalla, K.E.M.C.
Prem Narain Rohtgi, K.E.M.C.	Basant Kumari, L.H.M.C.
Ch. Mohd. Rasheed Bajwa, K.E.M.C.	Abdul Qadir, K.E.M.C.
*Manohar Nath Bhan, K.E.M.C.	N. K. S. Gangahar, K.E.M.C.
Hans Raj, K.E.M.C.	Dlip Singh, K.E.M.C.
Bal Bhadar Rai, K.E.M.C.	H. A. Bali, K.E.M.C.
*Omkar Nath, K.E.M.C.	Abdul Aziz, K.E.M.C.
Kartar Singh Pardesi, K.E.M.C.	Sundar Singh, K.E.M.C.
Ram Lal Mehra, K.E.M.C.	D. Bhutani, L.H.M.C.
*Sleem Ahmad Mian, K.E.M.C.	Jagat Ram Sud, K.E.M.C.
Murari Lall, K.E.M.C.	Gopal Das Jain, K.E.M.C.
*Mashkur Ahmad, K.E.M.C.	*Nawal Kishore, K.E.M.C.
D. Lopez, L.H.M.C.	Mohd. Afzal Hussain, K.E.M.C.
Mohd. Karim Mirza, K.E.M.C.	Ajmer Kaur, L.H.M.C.
S. Mohammad Afzal, K.E.M.C.	Kamta Parshad, K.E.M.C.
	*M. Azeem Khan, K.E.M.C.
	Ram Lall Soota, K.E.M.C.
	Khurshed D. Rao, K.E.M.C.
	Mohd. Shuaib, K.E.M.C.

*List of persons upon whom Diplomas have been conferred under
Section 14, Act XIX, 1882.*

LICENTIATE IN MEDICINE.

Nil since 1918.

COMMERCE FACULTY.

BACHELOR OF COMMERCE.

1932	1932
Ram Chand Mehra, H.C., I.	Prithi Raj, H.C., II.
Karori Lall Chitkara, H.C., II.	Bhagwan Dass, H.C., II.
*Hira Lal Mehndiratta, H.C., II.	Chandu Lal, H.C., II.
	Peshowri Lall, H.C. II.

* Not been admitted to the Degree.

1932

Parshotam Das Garg, H.C., II.
 Ugar Sain, H.C., II.
 *R. K. Mehta, H.C., II.
 Mulk Raj Gulati, H.C., II.
 Sant Ram Khanna, H.C., II.
 *Lekh Raj Aggarwal, H.C., II.
 Roshan Lal Seth, H.C., II.
 *Hotu Ram Wadhwa, H.C.,
 II.
 Yog Raj Bali, H.C., II.
 Harbans Lal Jain, H.C., II.
 Sham Sarup, H.C., II.
 Thakar Singh Ahluwalia,
 H.C., III.

1932

Abdul Wassey, H.C., III.
 Siri Ram Bansal, H.C., III.
 *Ram Parkash, H.C., III.
 Nand Kishore Sharma, H.C.,
 III.
 Sham Lal Mehra, H.C., III.
 *Satya Vrata, H.C., III.
 *Vidya Sagar Bagga, H.C.,
 III. [III].
 *Jagan Nath Sharma, H.C.,
 Ram Lal Sahni, Lahore, III.
 Brij Krishna Gurtu, Lahore,
 III.
 *Prem Nath, Lahore, III.

BACHELOR OF COMMERCE (SUPPLEMENTARY).

1932.

Ram Ralaya Lamba, H.C., II.
 Radha Krishna Batra, Lahore, II.
 Ram Lal Luthra, H.C., III.

FACULTY OF ENGINEERING.

FINAL EXAMINATION IN ENGINEERING.

1932

Prem Lal Sehgal, M.E.C.,
 Mechanical, I.
 Har Gobind Dewan, (passed
 with Honours), M.E.C., Elec-
 trical, I.

1932

K. N. Kinra, (passed with
 Honours), M.E.C., Electrical,
 I. [cal, I.
 Mazharul Haq, M.E.C., Electri-
 Hardial Singh, M.E.C., Electri-
 cal, I.

* Not been admitted to the Degree.

FACULTY OF ORIENTAL LEARNING.

*List of persons upon whom Diplomas have been conferred under
Section 14, Act XIX, 1882.*

HONOURS IN SANSKRIT (Shastri).

1932

Badri Datta, S.D. Sanskrit
College, Lahore, I.
Lekh Raj, Lahore, II.
Trilok Chandra Bhandari,
Amritsar, II.
Ram Dhan Sharma, Delhi,
II.
Mul Chand Sharma Sudan,
Peshawar, III.
Ram Bhadra Tiyaagi, S.D.
Sanskrit College, Lahore,
III.
Govind Ram Sharma, O.C.,
III.
Murli Dhar "Vasishtha", R.B.
Gagar Mall Sanskrit College,
Amritsar, III.
Jag Deva, Lahore, III.
Randhir Verma, S.D. Sanskrit
College, Lahore, III.
Shiv Ram Sharma Gaur,
Hissar, III.
Ram Rup Gupta, Jullundur,
III.
Chandra Pal, Lahore, III.
Sugan Chandra, S.D. Sanskrit
College, Lahore, III.
Piyare Lal Sharma, S.D. Sans-
krit College, Lahore, III.
Narain Rao, Lahore, III.
Shiv Kumar Sharma, S.D.
Sanskrit College, Lahore,
III.
Hans Raj Sharma, R.B. Gagar
Mall Sanskrit College, Amrit-
sar, III.
Vishwa Nath Pathak, S.D.
Sanskrit College, Lahore,
III.
Om Prakash, Amritsar, III.

1932

Brij Kishore Shukla, S.D.
Sanskrit College, Lahore,
III.
Mahima Nand Thapliyal, R.C.,
III.
Ram Lok Sharma, S.D. Sans-
krit College, Lahore, III.
Bhagirathi Prasad Gupta,
Lahore, III.
Giridhar Sharma, S.D. Sanskrit
College, Multan, III.
Yashodha Nandan Sharma,
D.I. Khan, III.
Gupat Ram Sharma, Lahore,
III.
Bhagwati Prasad Sharma, S.D.
Pathshala, Jind, III.
Tejonarayan Pandeya, Amrit-
sar, III.
Devki Nandan Sharma, Ludhi-
ana, III.
Jagdish Chandra, R.B. Gagar
Mall Sanskrit College, Amrit-
sar, III.
Niranjan Dev "Prem", Amrit-
sar, III.
Manohar Lal Sharma Vijra,
Rawalpindi, III.
Kanhaya Lal Sharma, S.D.
Sanskrit College, Multan,
III.
Rajendra Nath, Amritsar, III.
Ishwar Datt, Karnal, III.
Arjan Dev, Lahore, III.
Shambhu Prashad Sharma
Bhatt, O.C., III.
Hans Raj Sharma *alias* Hotu
Ram Sharma, Amritsar, III.
Maharishi Parma Nand
Sharma, Ferozepur, III.

1932

- Kishori Lal Sharma, Lahore, III.
 Vishnu Datta Naurattan, Amritsar, III.
 Ram Chandra Sharma Vivas, S.D. Sanskrit College, Multan, III.
 Yashoda Nandan Sharma, S.D. Sanskrit College, Multan, III.
 Manohar Lal Sharma, Patiala, III.
 Diwan Chandra Sharma Kashyapa, R.B. Gagar Mall Sanskrit College, Amritsar, III.
 Shiv Kumar Mishar Daurgaya, S.D. Pathshala, Jind, III.
 Rudra Mani Verma, S.D. Sanskrit College, Multan, III.
 Harish Chandra Sharma, Ludhiana, III.
 Raghu Nath Chandra, Lahore, III. [III.
 Wazir Chandra Sharma, O.C., Shiv Kumar Sharma Pandey Rattan, R.B. Gagar Mall Sanskrit College, Amritsar, III.
 Chandra Datt Sharma, S.D. Pathshala, Jind, III.
 Madan Lal Sharma Kalia, Hoshiarpur, III.

1932

- Krishan Swarup, Jullundur, III.
 Chote Lal Sharma, O.C., III.
 Som Datt Sharma Gaur, Lahore, III.
 Ram Dev Sharma, S.D. Sanskrit College, Multan, III.
 Surendra Datt Mishra, S.D. Pathshala, Jind, III.
 Hari Krishan Sharma, S.D. Maha Vidyalaya, Sultanpur Lodhi, III.
 Ram Dev (Kodand Ram), O.C., III. [III.
 Sant Ram Sharma, Amritsar, Madhavendra, Lahore, III.
 Goswami Amar Nath Sharma, Lyallpur, III.
 Chandra Bhanu Sharma Sindurtha, R.B. Gagar Mall Sanskrit College, Amritsar, III.
 Daya Ram *alias* Daya Nidhi Sharma, Lahore, III.
 Durga Datta Pushkarna (Rudra), Lahore, III.
 Lekh Raj Sharma, Jammu, III.
 Devendra Pal Verma, O.C., III.
 Yagesht Sharma, Kapurthala, III.
 Chiman Lal Kapur, S.D. Sanskrit College, Multan, III.

HONOURS IN ARABIC (Maulvi Fazil).

1932

- Muhammad Abdul Razzaq, Delhi, II.
 Muhammad Ahmad, J.A., Qadian, II.
 Abdul Rashid, J.A., Qadian, II.

1932

- Muhammad Isa Khan, Lyallpur, II.
 Hafiz Muhammad Amin, Bahawalpur, II.
 Ghulam Hussain Khan, Gurdaspur, III.

1932

Hafiz Muhammad Amir,
Bahawalpur, III.
Muhammad Abdullah, Baha-
walpur, III.
Nazar Ahmad Khan, J.A.,
Qadian, III.
Syed Hassan, Lahore, III.
Muhammad Rahmet Ullah,
O.C., III.
Nur Ahmad Multani, J.A.,
Qadian, III.
Behari Lal, Lahore, III.
Hafiz Fazal-ur-Rahman,
Amritsar, III.
Abdul Rahim Ranjha, Gur-
daspur, III.
Abdul Malik Khan Siddiqi,
J.A., Qadian, III.

1932

Abdullah, Gurdaspur, III.
Khuda Bakhsh, Hoshiarpur,
III.
Mohammad Abdul Latif Khur-
shid, J.A., Qadian, III.
Mohammad, Lahore, III.
Qureshi Abdul Rahim Sialkoti,
J.A., Qadian, III.
Abdul Rahman Khan Pesh-
wari, J.A., Qadian, III.
Abdul Qadir Ihsan, J.A.,
Qadian, III. [III.
Abdul Khaliq, J.A., Qadian,
Aziz Ahmad, J.A., Qadian, III.
Khadim Ahmad, Sialkot, III.
Chaudhri Bashir Ahmad, Gur-
daspur, III.
Ali Qasim, Gurdaspur, III.

HONOURS IN PERSIAN (Munshi Fazil).

1932

Mohammad Rafiq, Lahore, I.
Ch. Ghulam Ahmad, Delhi, I.
S. M. Sharif, O.C., II.
Asghar Ali, Delhi, II.
Syed Mohd. Iqbal, Lahore, II.
Qazi Faiz Mohy-ud-Din,
Hashmi, Gujrat, II.
Lachhman Das Shaik, Amrit-
sar, II.
Kufail Ahmad, Lahore, II.
Abdul Rahim Amir-ud-Din
Hakim, O.C., II.
U. M. Salim Khan Farani,
Lahore, II.
Ghulam Nabi Khokhar,
Lahore, II.
Kidar Nath Sharma, O.C., II.
Qamar-uz-Zaman Be, Lahore,
II.
Mohammad Ibrahim, Sialkot,
II.

1932

Syed Khurshid Hussain Shah,
Gujrat, II.
Yogindar Singh Asfar, Patiala,
II.
Qazi Abdul Rashid, Lahore, II.
Sultan Khan, Delhi, II.
Dulara Singh, Lahore, II.
Bawa Hari Singh, Lahore, II.
Qazi Zahir-ud-Din Ahmad,
Lahore, II.
S. Abdul Razzaq Kirmani,
Delhi, II.
Abbas Ali Shah, Lahore, III.
Syed Ahmed Hussain, Lahore,
III.
Chirag-ud-Din Khan, Gur-
daspur, III.
Qazi Mahmood-ul-Hassan
Zaffar, Lahore, III.
Syed Habib Ullah Shah Tal-
wandvi, O.C., III.

1932

Bashir Ahmad Siddiqui,
D.A.A.S., Lahore, III.
Janki Das, O.C., III.
Faujdar Ahmad, Cawnpur,
III.
Syed Mohammad Talib
Hussain Nayyer, D.A.A.S.,
Lahore, III.
Ralla Ram Rattan, Lahore,
III.
Ghulam Nabi, Hoshiarpur, III.
Manohar Lal Shahid, Muzaffar-
garh, III.
Abunisyah Mohammad Munir
Ullah Khan, D.A.H., Kasur,
III.
Rahmat Ullah, Sheikhpura,
III.
Said Ali, O.C., III.
Ghulam Hussain, Gujrat, III.
Bahadar Shah Kaka Khel,
Peshawar, III.
Sh. Allah Din, Lahore, III.
Mohammad Shareef, D.A.-
A.S., Lahore, III.
Ghulam Rasul, D.A.A.S.,
Lahore, III.
Mohammad Abdus Slam, D.A.-
A.S., Lahore, III.
Mohammad Harun, Delhi, III.
Sant Ram Rana, Kangra, III.
Qazi Anwar-ul-Haq, Attock,
III.
Nizam-ud Din, Rohtak, III.
Hans Raj Phullee, Multan, III.
Syed Hussain Shah, Hazara,
III.
Khawaja Murced Ahmad,
Amritsar, III.
Hakim Abdul Hamid Mirza,
Lahore, III.
Abdul Ghafur, Lahore, III.
Abdul Ghani, Lahore, III.
Sultan Masud, D.G. Khan, III.
Karam Singh Madan, Amrit-
sar, III.
Selima Akhtar, Amritsar, III.

1932

Mohammad Qasim Mir, Amrit-
sar, III.
Sultan Shah, D.A.A.S., Lahore,
III.
Inam Ilahi, Lahore, III.
Mohammad Sammi-ud-Din
Siddiqui, O.C., III.
Atta Mohammad Atta,
Hoshiarpur, III.
Gurdial Beri, Gujrat, III.
Sufi Ghulam Mohy-ud-Din,
Lahore, III. [III.
Mohammad Anwar, Gujrat,
S. Moghani-ud-Din (Shamsi),
Delhi, III.
Munshi Nazar Hussain, Gur-
daspur, III.
Falak Sher Khan, Shahpur,
III.
Hafiz Mohammad Amin,
Lahore, III.
Mohammad Sharif, O.C., III.
Pir Khalil Ahmad, Gurdaspur,
III.
Sheikh Mohammad Ismail,
D.A.H., Kasur, III.
Nota Ram, Gujrat, III.
Syed Mohammad Shafi
Jazab, Gujranwala, III.
S. M. Paul, Lahore, III.
Nur-ul-Hassan, Lahore, III.
Saif-ul-Haq, Ludhiana, III.
Mir Mohd-ur-Rai, Bahawal
pur, III.
Khudadad Beg, D.A.A.S.,
Lahore, III.
Mohammad Noor Hussain,
O.C., III.
Mohammad Ikram-ul-Haq
Vafa, Lyallpur, III.
Harbans Lal, Ludhiana, III.
Mohammad Hussain Shah,
Lyallpur, III.
Zahur-ud-Din Ahmad, Amrit-
sar, III.
Mohammad Nasar-ul-Aziz,
O.C., III.

1932

Mohammad Fakhar-ud-Din,
Lahore, III.
Aziz-ud-Din, Karnal, III.
Mohammad Bakhsh, Shahpur,
III.
Rahmat Ali, Montgomery, III.
Abul-Fazal Muhammad Amin
Qureshi, Jullundur, III.
Muhammad Abdullah Khan,
Gujranwala, III.
Sadhu Ram Faqir, Lyallpur,
III.
Abu Saeed Rahmat Ullah,
Quetta, III.
Fateh Muhammad, Montgo-
mery, III.
Syed Kalim Ullah Hussaini,
Lahore, III.
Shabbir Hassan, Delhi, III.
Ihsanullah, Lahore, III.
Sundar Dass, Gujrat, III.
Ghulam Rabbani, Rawalpindi,
III.
Maulvi Muhammad Sayed,
Lahore, III.
Rashid Ahmad, Amritsar, III.
Riaz Ahmad Khan Israili,
O.C., III.
Hafiz Abdul Rashid Khan,
Hoshiarpur, III.
Sultan Ahmad, D.A.H.,
Kasur, III.
Muhammad Ahmad Khan
Manzar, Lahore, III.
Allah Diya Khan, Rohtak,
III.
Abdul Hamid, Ludhiana, III.
Sh. Taj-ud-Din, Lahore, III.
Mulk Raj, Sialkot, III.
Muhammad Hussain, Shahpur,
III.
Gokal Chand Dhawan, Lahore,
III.
Mohammad Ismail, Gujran-
wala, III.
Syed Zawar Hussain, Karnal,
III.

1932

Mohammad Hussain Sheikh,
Lahore, III.
Mohammad Inayat Ullah, O.C.,
III.
Mohammad Akram Nasir,
Sialkot, III.
Sheikh Ifham Ullah Faruqi,
Delhi, III.
Sham Lal, D.A.A.S., Lahore,
III.
Abdul Aziz, Jhelum, III.
Fateh Mohammad, Kapur-
thala, III.
Barkat Ali Qureshi, Sialkot,
III.
Syed Ibrahim, Lahore, III.
Ghulam Mohammad, Kashmir,
III.
Mohammad Sana Ullah, D.A.-
A.S., Lahore, III.
Qazi Fazal Nur, Jhelum, III.
Ahmad Gharib Nawaz Khan,
D.A.A.S., Lahore, III.
Abdul Sattar, Ambala, III.
Mohammad Akram Khan *alias*
Misr Khan, Gujrat, III.
Labh Singh Kalra, Lyallpur,
III.
Mirza Gul Mohammad, O.C.,
III.
Sher Zaman, Rawalpindi, III.
Abdul Waheed, Lahore, III.
Bhagwan Das Andlib, D.G.
Khan, III.
S. Mujtaba Hussain, Lahore,
III.
Syed Mohammad Anwar Jilani
Shah, Lahore, III.
Gyani Ram Sharma, Rohtak,
III.
Syed Shahab-ud-Din Ahmad
Ulvi, Lahore, III.
Syed Ali, Lahore, III.
Abdul Ghani, Peshawar, III.
Ali Mohammad, Kashmir, III.
Mohdi Hussain Tur, Lahore,
III.

1932

Duni Chand, Rawalpindi, III.
 Pashori Lal, Amritsar, III.
 Qazi Muhammad Abdul
 Rahman, D.A.H., Kasur,
 III.
 Siddiq Ahmad Khan, Lahore,
 III.
 Allah Bakhsh Khan, D.G.
 Khan, III.
 Ghulam Nabi, Lahore, III.
 Ghulam Sarwar Hashmi,
 Lahore, III.
 Allah Bakhsh, Shahpur, III.

1932

Muhammad Ghulzar Khan,
 Jhang, III.
 Noor-ud-Din, Montgomery,
 III. [III.
 Ghulam Haider, Jullundur,
 Muhammad Abdul Qadir, O.C.,
 III. [III.
 Ghaus Bakhsh Saifi, Lyallpur,
 Ghulam Rabbani, Attock, III.
 Phuman Singh, Jullundur, III.
 Muhammad Rafique, D.A.A.S.,
 Lahore, III.
 Aziz-ul-Rahman, O.C., III.

Appendix B.

**Courses of Reading for the Examinations
of 1934 and 1935.**

XXI —APPENDIX.

Courses of Reading prescribed for the Matriculation and School-Leaving Certificate Examination of 1934 and 1935.

ENGLISH.

SYLLABUS.

For 1934 and 1935.

Paper (A).

(A) *Applied Grammar.* Not more than 4 questions chosen from questions giving or requiring sentences to test accuracy in the following (1-3):—

1. Conversion of direct into indirect speech and *vice versa*.
2. Sequences of tenses.
3. Use of the Articles.

Exercises in (4-6):—

4. Word building or formation of nouns, verbs and adjectives from common forms.
5. Punctuating an unpunctuated passage.
6. Showing how a change in stops alters meaning.

(B) *Composition.* Not more than 3 questions from the following:—

1. Writing questions to given answers and *vice versa*.
2. Distinguishing meanings of common words often confused.
3. Finding suitable headings for paragraphs in a given passage.
4. Summarising a given passage.
5. Illustrating common usages.
6. Writing a paragraph on a familiar, descriptive or biographic topic.
7. Writing a story from a given plan or completing an incomplete story.
8. Describing a given scene or phenomenon.
9. Writing a brief official or private letter of a simple nature.

(C) *Translation.* Not more than 2 questions from the following :—

1. Translation of not more than 10 sentences chosen for contrast between the English and Vernacular language or construction.

2. Translation of a continuous passage not exceeding 8 simple modern lines.

Paper (B).

(A) At least 4 questions on two prescribed books for intensive study.

(B) One question from each of the three books for cursory reading, carrying equal marks.

(C) One question on unseen passages.

Questions to be of the following or similar types, and to allow a limited option :—

*Part (A).—*On books intensively studied.

1. Interpretation of words, phrases, or sentences.

2. Partial paraphrase, *i.e.*, rendering in equally suitable or more suitable words, expressions italicized in a given passage.

3. Giving changes of meaning which would result from a suggested change in wording in a given passage.

4. Entering suitable prepositions or other words completing the (idiom) omitted in a given passage.

5. Framing sentences giving useful phrases that occur in the text.

*Part (B).—*On books cursorily treated.

6. Answering questions to test comprehension of the gist, or of particular parts of a given passage.

Summarising in one or other of the forms given under 7, 8 and 9.

7. Assigning suitable headings or titles to given paragraphs.

8. Setting forth the gist in heads and sub-heads.

9. Epitomizing a given passage in continuous prose.

10. Answering questions to test comprehension of a given passage.

11. Completing a story.

12. Devising a dialogue between two of the characters in certain assumed circumstances.

13. Expanding from a given heading, sentence, or summary, suggested by the text read.

Note I.—The poetical selection studied should be chiefly of a narrative type and should reckon as cursory reading for examination purposes, and ample choice of question should be allowed.

Note II.—Exercises under Part B may also be set on unseen passages in Part A.

COURSES OF READING.

For 1934.

For Intensive Reading—

1. "The Seven Wonders of the World" by Wedgewood Heath (Messrs. Uttar Chand Kapur and Sons). Price (paper cover) Annas 14.
2. "Five Famous Women" by Ram Rattan (Messrs. Uttar Chand Kapur and Sons).

For Cursory Reading—

1. "Parkinson's Selection of English Verse", published by the University of the Panjab. Price Annas 10.
2. "Pioneers of Progress", published by Messrs. Longmans Green and Co. Price (limp cloth cover) Re. 1.
3. "John Halifax-Gentleman" (Mrs. Craik) —Tydeman and Mohammad Din (Messrs. Shamsher Singh and Co.). Price Annas 10.

For 1935.

For Intensive Reading—

1. "The Seven Wonders of the World" by Wedgewood Heath (Messrs. Uttar Chand Kapur and Sons). Price (paper cover) Annas 14.
2. "Tales from Far and Near"—Diwan Chand Sharma (Messrs. Uttar Chand Kapur and Sons). Price Annas 12.

For Cursory Reading—

1. "Parkinson's Selection of English Verse", published by the University of the Panjab. Price Annas 10.
2. "Pioneers of Progress", published by Messrs. Longmans Green and Co. Price (limp cloth cover) Re. 1.
3. "Simple Chapters on English Life"—H. G. Wyatt, published by Messrs. R.S. Munshi Gulab Singh and Sons, Lahore. Price (full-cloth binding) Annas 14.

HISTORY AND GEOGRAPHY.

HISTORY.

For 1934 and 1935.

PART I.

History of India.

1. Physical features of India and their influence on national character. The country and its people.

2. The Aryans, the Indo-Aryans, the sacred writings of the Indo-Aryans.

3. Buddha and his religion—Spread of his religion—Mahavir and Jainism.

4. Early Hindu Kingdoms in Northern India—Kosal and Magadh—Greek invasions of India.

5. The Maurya Empire—Chandra Gupta, Asoka and his patronage of Buddhism—Decline of Buddhism.

6. Greek influence on India.

7. The Kushan Empire—The Revival of Brahmanism—The Gupta Empire—Revival of literature and fine arts Harshavardhan—Chinese accounts of India.

8. The Rise of the Rajputs—The Kingdoms in Northern India and Rajputana.

9. The Muhammanadan conquest of Sindh - Subaktagin and Mahmud.

10. Hindu civilisation on the eve of Muhammanadan conquest.

11. The Muhammanadan conquest of Northern India. The Sultans of Delhi - Slave Kings—Khilji and Tughlak and other Dynasties.

12. The state of India under the Sultanates of Delhi—Spread of Islamic Architecture and Literature.

13. The break-up of the Sultanates of Delhi—Independent kingdoms in Northern India and the Deccan.

14. The foundation of the Mughal Empire—Babar; Humayun; Akbar; Jahangir; Shahjahan and Aurangzeb.

15. The decline and fall of the Mughal Empire. Muhammanadan civilisation on the eve of British conquest.

16. The Maharattas—Sivaji; his successors- The Peshwas-- The Independent Maharatta Houses.

17. Early European Settlements—The foundations of the British Indian Empire—The Karnatic Wars- The conquest of Bengal—Clive.

18. India under the East India Company—Warren Hastings to Wellesley.

19. Rise of Sikh power in the Punjab—Ranjit Singh.

20. Minto to Dalhousie. India under the Crown from Lord Canning to Lord Reading.

Books recommended.—

A History of India (Wathen and Garrett); *or*, The Oxford History of India (V. A. Smith); *or*, A History of India by Gense, published by Macmillan; *or*, History of India for High Schools by Ishwar Das and Kahan Chand, published by Uttar Chand Kapur and Sons; *or*, Matriculation History of India by Veda Vyasa and Abdul Qadir, published by Moti Lal Benarsi Das; *or*, A Short Primer of Indian History by Prothero (Macmillan); *or*, A Brief Survey of Indian History (Longmans).

PART II.

History of England.

England on the eve of Norman Conquest.
 The Norman Conquest. The Feudal System. Domesday Book.
 Civil War between Stephen and Matilda.
 Reforms of Henry II—Thomas Becket.
 John and Pope Innocent III—Wars with the Barons and Magna Carta.
 Simon-de-Montford and the Provisions of Oxford.—The Parliament of 1265.
 Edward I as legislator, administrator and conqueror—Rising of Wallace and Bruce. The Model Parliament.
 Battle of Bannockburn.
 The beginning of the Hundred Years' War. The Black Death and the Good Parliament.
 Peasants' Revolt. John Wycliffe. The persecution of the Lollards.
 Renewal of the Hundred Years' War.
 Joan of Arc and the relief of Orleans.
 End of the Hundred Years' War and the collapse of the English power in France.
 Wars of the Roses and the Houses of York and Lancaster.
 Yorkshire plots and Pretenders.
 The Reformation.
 Wolsey—Suppression of the Monasteries.
 Drake's voyage round the world. Spanish Armada—East India Company.
 Union of England and Scotland. The King and his Parliament. Pilgrim Fathers.
 Petition of Rights—John Hampden. Long Parliament. Civil War.
 Cromwell and the new model. Execution of Charles I.
 Cromwell as Lord Protector.
 The Restoration.
 The Revolution.
 Habeas Corpus Act. Bill of Rights. Party System.
 The War of Spanish Succession. Act of settlement. The Union with Scotland.
 Walpole. The South Sea Bubble. The Seven Years' War and Pitt.
 The English in India and Canada. The Jacobite revolt of '45'.
 The American War of Independence.
 Pitt the Younger and the French Revolution.
 Napoleon, Nelson and Wellington. The Peninsular War.

Abolition of Slave Trade.
 Union with Ireland -- Catholic Emancipation Act.
 Reform Bill of 1832.
 Peel -- Repeal of Corn Laws.
 Second Reform Bill.
 The Crimean War. The Indian Mutiny. Agrarian riots.
 Education Bill.
 Disraeli. Gladstone.
 The South African War.
 Dominion Home Rule in Canada, Australia and South Africa.
 The Parliament Act of 1911.
 The Great War.
 Indian Reforms Act of 1919.

Books recommended :

- (i) Book I. "A First Book of British History" by Tout (Longman's Historical Series for schools),
- (ii) "The Story of England" by M. O. Davis (Oxford University Press),
- (iii) "The English People" (New edition) by Lay, published by Macmillan,
- (iv) Matriculation History of England by Garrett, published by Uttar Chand Kapur and Sons.

***GEOGRAPHY.**

For 1934.

1. *Physiography.* --

- (a) Shape of the earth; Rotation and Revolution; Day and Night; the Seasons; the Zones; Latitude and Longitude.
- (b) The moon--its phases; elementary ideas regarding eclipses.
- (c) Land--Chief agents of change.
- (d) Ocean--Chief movements, waves, currents, tides (omitting causes).

* "Outlines of Physical Geography" by H. C. Barnard and "The World - A General Geography" by Stamp (published by Longmans) are suggested for use by teachers.

(e) Atmosphere : climate ; temperature ; pressure ; rainfall ; permanent winds ; monsoons ; climatic regions.

2. *Economic Geography.* -

- (a) Elementary ideas regarding world distribution of vegetation (forest, grasslands and deserts) and important crops (wheat, rice, oats, maize, tea, coffee, tobacco, sugar, cotton, flax and jute, rubber, vine, palm oil, and banana) and mineral products (coal, iron, copper, petroleum, salt, manganese, gold, silver, tin).
- (b) Distribution of typical animals (fish, cattle, sheep, goats, silk worms) and of man.
- (c) Principal human occupations and their distribution (lumbering, pasturing, agriculture, mining, manufacturing and fishing).
- (d) Commerce - interchange of principal commodities-- routes (Ocean highways, of British trade, the Suez and the Panama Canals).

3. *World Geography.*—

Natural regions of the world (questions on separate countries not to be asked). Asia to be studied regionally and in greater detail with regard to : physical structure, climate, vegetation, population, occupations, trade and very important towns.

4. *Geography of India.* - Detailed study of the Geography of the Indian Empire.

5. *Map-Drawing.* - Candidates will be required to insert selected features and important towns in a given outline map of : -

- (a) Asia,
- (b) India, or
- (c) The Punjab.

The following books are recommended as suitable books indicating the scope of the prescribed syllabus in Geography :—

- 1. Sohan Lal and Muir—Modern Geography.
- 2. Outlines of the World by Tydeman and Mackenzie.
- 3. The World and India by Wren, published by Oxford University Press.
- 4. Our World a Human Geography by Cameron Morrison (Macmillan and Co.).
- 5. World Geography, Books 1 and 2, by Lay, published by Macmillan.
- 6. New Matriculation Geography by Bell (published by Uttar Chand Kapur and Sons). Price Rs. 2.
- 7. General and Regional Geography Volumes I and II, by E. T. Dean, published by Gulab Singh and Sons.

For 1935.

I. Physiography :—

- (a) The Shape of the Earth ; Rotation and Revolution ; Day and Night ; the Seasons ; Latitude and Longitude ; Time and its relation to Longitude.
- (b) The Moon—its phases ; elementary ideas regarding eclipses.
- (c) Land—the chief agents of change ; the formation of soil ; denudation and weathering.
- (d) The Ocean—its chief movements—waves, currents, tides (omitting causes) ; the effect of tides on shipping.
- (e) The Atmosphere ; temperature, pressure, winds (land and sea breezes, monsoons, trade and westerly winds)—their causes and effects should be insisted upon ; climate and climatic regions.
- (f) Simple map reading and ability to recognise various methods of showing land relief—*e.g.*, contour and layer colouring.

II. Economic Geography :—

- (a) Elementary ideas regarding the world distribution of vegetation (forest, grassland and deserts) and their relation to climate ; important crops (wheat, rice, tea, coffee, tobacco, sugar, cotton, flax, rubber, vine) and mineral products (coal, iron, copper, petroleum, gold, silver and tin).
- (b) The principal human occupations and their distribution (lumbering, pasturing, agriculture, mining, manufacturing and fishing).
- (c) Commerce—the interchange of the principal commodities between Great Britain and India, and the main land, sea and air routes connecting these countries.
- (d) The importance of the Suez and the Panama Canals.

III. World Geography :—

The following natural regions of the world :—

- (a) The Equatorial Region.
- (b) The Tropical Region of Short Summer Rainfall.
- (c) The Monsoon Region.
- (d) The Mediterranean Region.
- (e) The Temperate Region (Western margin, Central portion and Eastern margin).
- (f) The Tundras.

Their characteristic climate, products and countries or parts of countries with important towns included in the natural regions.

(Questions on separate countries not to be asked.)

Asia to be studied regionally in greater detail with regard to its physical features, climate, vegetation, population, occupations, means of communication, trade and important towns.

IV. The Geography of India.—A detailed study of India as a whole with special reference to the Punjab.

V. Map filling.—Candidates will be required to insert geographical features, *e.g.*, mountain ranges, rivers, direction of winds, rainfall, destiny of population, important railways and towns in a given outline map of :—

(a) Asia, (b) India, or (c) the Punjab.

NOTE.—(i) Candidates are expected to draw simple diagrams and sketch maps to illustrate their answers.

(ii) Emphasis will be laid on causes and effects rather than on the facts themselves.

Books recommended :—

The same as for 1934, except that for No. 4 “Our World—a Human Geography by Cameron Morrison (Macmillan and Co.)”, substitute “Our World—a Human Geography (Abridged edition), Cameron Morrison (Macmillan). Price Rs. 2”.

MATHEMATICS : 1934 AND 1935.

Arithmetic.—Numeration, Notation, The Four Fundamental Rules, Factors and Prime Numbers, G.C.M. and L.C.M., Vulgar and Decimal Fractions, including simple forms of recurring decimal, Ratio and Proportion, Simple and Compound Interest, Proportional Parts, Profit and Loss, Discount, Averages, Square Root, Areas of rectangles and circles; and surfaces, Volume of Rect.—Parallelopiped and Right Circular Cylinder, Decimal approximations. The Calendar, Elementary Graphs, Practice, Simple cases of Stocks and Shares.

Algebra.—Simple Equations with one or more unknown quantities and Problems. Involution and Evolution, Factors. H.C.F. and L.C.M., Fractions, Indices, Surds, Ratio and Proportion, Simple Identities and Eliminations, Simple graphs of Equations of the first Degree.

Geometry.—The paper in Geometry shall contain questions on Practical and on Theoretical Geometry. Every candidate shall be expected to answer questions in both branches of the subject.

The questions on Practical Geometry shall be set on the constructions contained in the annexed Schedule A, together with easy extensions of them. In cases where the validity of a construction is not obvious, the reasoning by which it is justified may be required.

The questions on Theoretical Geometry shall consist of theorems contained in the annexed Schedule B, together with questions upon these theorems, easy deductions from them, and arithmetical illustrations. Any proof of a Proposition shall be accepted, which appears to the Examiners to form part of a systematic treatment of the subject; the order in which the theorems are stated in Schedule B is not imposed as the sequence of their treatment.

In the proof of theorems and deductions from them, the use of hypothetical constructions shall be permitted. Proofs which are only applicable to commensurable magnitudes shall be accepted.

SCHEDULE A.

Bisection of angles and of straight lines.

Construction of perpendiculars to straight lines.

Construction of an angle equal to a given angle.

Construction of parallels to a given straight line.

Simple cases of the construction from sufficient data of triangles and quadrilaterals.

Division of straight lines into a given number of equal parts or into parts in any given proportions.

Construction of a triangle equal in area to a given polygon.

Construction of tangents to a circle and of common tangents to two circles.

Simple cases of the construction of circles from sufficient data.

Construction of a fourth proportional to three given straight lines and a mean proportional to two given straight lines.

Construction of regular figures of 3, 4, 6, or 8 sides in or about a given circle.

Construction of a square equal in area to a given polygon.

The construction of a circle about or in a given triangle.

The division of a given straight line in extreme and mean ratio.

The construction on a given line of a figure similar to a given rectilinear figure.

To find a point in a given straight line such that the sum of the distances of two given points from it is a minimum.

Two sides of a triangle being given, to construct a triangle such that its area is maximum.

SCHEDULE B.

Angles at a Point.

If a straight line stands on another straight line, the sum of the two angles so formed is equal to two right angles; and the converse.

If two straight lines intersect, the vertically opposite angles are equal.

Parallel Straight Lines.

When a straight line cuts two other straight lines, if

- (i) a pair of alternate angles are equal,
 - or (ii) a pair of corresponding angles are equal,
 - or (iii) a pair of interior angles on the same side of the cutting line are together equal to two right angles,
- then the two straight lines are parallel; and the converse.

Straight lines which are parallel to the same straight line are parallel to one another.

Triangles and Rectilinear Figures.

The sum of the angles of a triangle is equal to two right angles.

If the sides of a convex polygon are produced in order, the sum of the angles so formed is equal to four right angles.

If two triangles have two sides of the one equal to two sides of the other, each to each, and also the angles contained by those sides equal, the triangles are congruent.

If two triangles have two angles of the one equal to two angles of the other, each to each, and also one side of the one equal to the corresponding side of the other, the triangles are congruent.

If two sides of a triangle are equal, the angles opposite these sides are equal; and the converse.

If two triangles have the three sides of the one equal to the three sides of the other, each to each, the triangles are congruent.

If two right-angled triangles have their hypotenuses equal, and one side of the one equal to one side of the other, the triangles are congruent.

If two sides of a triangle are unequal, the greater side has the greater angle opposite to it; and the converse.

Of all the straight lines that can be drawn to a given straight line from a given point outside it, the perpendicular is the shortest.

The opposite sides and angles of a parallelogram are equal, each diagonal bisects the parallelogram, and the diagonals bisect one another.

If there are three or more parallel straight lines, and the intercepts made by them on any straight line that cuts them are equal, then the corresponding intercepts on any other straight line that cuts them are also equal.

In any triangle the perpendiculars at the middle points of the sides, the perpendiculars from the vertices on the opposite sides,

the bisectors of the angles, and the medians, are severally concurrent.

Areas.

Parallelograms on the same or equal bases and of the same altitude are equal in area.

Triangles on the same or equal bases and of the same altitude are equal in area.

Equal triangles on the same or equal bases are of the same altitude.

Illustrations and explanations of the geometrical theorems corresponding to the following algebraical identities:—

$$\begin{aligned}k(a+b+c+\dots) &= ka + kb + kc + \dots, \\(a+b)^2 &= a^2 + 2ab + b^2, \\(a-b)^2 &= a^2 - 2ab + b^2, \\a^2 - b^2 &= (a+b)(a-b).\end{aligned}$$

The square on a side of a triangle is greater than, equal to or less than, the sum of the squares on the other two sides according as the angle contained by those sides is obtuse, right or acute. The difference in the cases of inequality is twice the rectangle contained by one of the two sides and the projection on it of the other.

If ABC be a triangle, and AD a median $AB^2 + AC^2 = 2BD^2 + 2AD^2$.

Loci.

The locus of a point which is equidistant from two fixed points is the perpendicular bisector of the straight line joining the two fixed points.

The locus of a point which is equidistant from two intersecting straight lines consists of the pair of straight lines which bisect the angles between the two given lines.

The Circle.

A straight line, drawn from the centre of a circle to bisect a chord which is not a diameter, is at right angles to the chord; conversely, the perpendicular to a chord from the centre bisects the chord.

There is one circle, and one only, which passes through three given points not in a straight line.

In equal circles (or, in the same circle) (i) if two arcs subtend equal angles at the centres, they are equal; (ii) con-

versely, if two arcs are equal, they subtend equal angles at the centres.

In equal circles (or, in the same circle) (i) if two chords are equal, they cut off equal arcs; (ii) conversely, if two arcs are equal, the chords of the arcs are equal.

Equal chords of a circle are equidistant from the centre; and the converse.

The tangent at any point of a circle and the radius through the point are perpendicular to one another.

If two circles touch, the point of contact lies on the straight line through the centres.

The angle which an arc of a circle subtends at the centre is double that which it subtends at any point on the remaining part of the circumference.

Angles in the same segment of a circle are equal; and, if the line joining two points subtends equal angles at two other points on the same side of it, the four points lie on a circle.

The angle in a semicircle is a right-angle; the angle in a segment greater than a semicircle is less than a right-angle; and the angle in a segment less than a semicircle is greater than a right-angle.

The opposite angles of any quadrilateral inscribed in a circle are supplementary; and the converse.

If a straight line touch a circle, and from the point of contact a chord be drawn, the angles which this chord makes with the tangent are equal to the angles in the alternate segments.

If two chords of a circle intersect either inside or outside the circle, the rectangle contained by the parts of the one is equal to the rectangle contained by the parts of the other.

The feet of the perpendiculars on the sides of a triangle from any point on the circumcircle are collinear.

Proportion : Similar Triangles.

If a straight line is drawn parallel to one side of a triangle, the other two sides are divided proportionally; and the converse.

If two triangles are equiangular their corresponding sides are proportional; and the converse.

If two triangles have one angle of the one equal to one angle of the other, and the sides about these equal angles proportional, the triangles are similar.

The internal bisector of an angle of a triangle divides the opposite side internally in the ratio of the sides containing the angle, and likewise the external bisector externally.

The ratio of the areas of similar triangles is equal to the ratio of the squares on corresponding sides.

MATHEMATICS PAPER (b), i.e., CIVICS, FOR BLIND
CANDIDATES ONLY.

For 1934 and 1935.

The same syllabus as for Civics carrying 75 marks. The marks gained by the candidate in Civics out of 75 shall be multiplied by $\frac{4}{3}$ in order to determine his marks out of 100 in this Paper.

ARITHMETIC AND DOMESTIC ECONOMY (FOR GIRLS).

For 1934 and 1935.

Arithmetic.—The same syllabus as for the M. and S.L.C. candidates, omitting "and surfaces, Volume of Rect.—Parallelopiped and Right Circular Cylinder, Decimal approximations", and "simple cases of Stocks and Shares".

Domestic Economy.—The same syllabus as for female candidates taking Domestic Economy as a subject carrying 150 marks omitting the syllabus prescribed for Hygiene.

URDU.

For 1934 and 1935.

New Revised Urdu Matriculation Course of the Panjab University (1927 Edition). Price Rs. 2.

No grammar book is prescribed or suggested. The following syllabus is prescribed :—

I. Noun :—

- (a) Infinitive (مصدر), its kinds and various meanings.
- (b) Verbal Noun (حاصل مصدر).
- (c) Singulars and plurals of nouns and جمع الجمع.
- (d) Masculine and Feminine (تذکیر و تانیث).
- (e) Declension of nouns.
- (f) اسم ظرف - فاعل بشكل مفعول - اسم مفعول - اسم فاعل.
اسم مکبر - اسم تصغیر - اسم آلہ.
- (g) Use of " نے " as sign of subject (فاعل).

II. Pronoun :—

- (1) Personal.
- (2) Relative.

- (3) Interrogative.
- (4) Demonstrative.
- (5) Reflexive.

III. Adjective :—

- (1) Adjectives of quality.
- (2) Degrees of adjective.
- (3) Numerals.
- (4) Adjectives of quantity.

IV. Verb :—

- (1) Simple and Compound (مفرد و مرکب).
- (2) Transitive and Intransitive (متعدی و لازمی).
- (3) Active and Passive (معروف و مجهول).
- (4) فعل معطوف and افعال ناقصه.
- (5) Tenses.
- (6) Conjugation of verbs.
- (7) Agreement of verb with its subject or object with respect to its number, person and gender.

V. Uses of various particles (حروف), e.g.,

جار - عطف - علت - اضافت - تردید - اضرب - استشنا - استدراک -
 شرط و جزا - تبنیه و تاکید - حصو و خصوصیت - استفهام و ندا
 وندبه - ایجاب - تعجب و ابنساط - بیان *

VI. Syntax :—

- 1. میدا و خبر - مسند و مسند الہ - فاعل - مفعول - (1)
 مرکب تام - متعلقات فیل
- (2) مرکب اضافی و مرکب توصیفی particularly مرکب ناقص
 حال و ذوالحال - تابع موضوع - تابع مہمل
- (3) Analysis of simple sentences :—
 (a) جملہ فعلیہ.
 (b) جملہ امیہ.

HINDI.

For 1934 and 1935.

1. "Hindi Samanguchha", by Banarsi Das, published by the Panjab University.

2. "Pratima and Panchratra", by Surya Kanta, M.A., published by Messrs. Uttar Chand Kapur and Sons. Price Annas 10 in paper cover.

3. "Galpa Ratna", by Shri Prem Chand Ji, published by Saraswati Press, Benares City. Price Annas 10.

No grammar book is prescribed or suggested. The following syllabus is prescribed :—

I. Orthography. Correct spelling to be emphasised.

II. Parts of Speech :—

(i) Noun (संज्ञा).

(a) Kinds (भेद).

(b) Gender (लिङ्ग).

(c) Case (कारक).

(d) Number (वचन).

(e) Declension (रूपरचना).

(ii) Pronouns (सर्वनाम).

(a) Kinds (भेद).

(b) Declension (रूपरचना).

(iii) Adjective (विशेषण).

(a) Kinds (भेद).

(b) Degrees of comparison.

(iv) Verb (क्रिया).

(a) Kinds (भेद).

(b) Voice (वाच्य).

(c) Tense (काल).

(d) Mood (प्रकार).

(e) Number (वचन).

(f) Person (पुरुष).

(g) Gender (लिङ्ग).

- (h) Nominal Verb (नामधातु) .
- (i) Compound Verb (संयुक्तक्रिया).
- (j) Causal Verb (प्रेरणार्थकक्रिया).
- (v) Adverb (क्रियाविशेषण).
- (a) Kinds (भेद).
- (b) Formation (रचना).
- (vi) Postpositions (सम्बन्धबोधक).
- (vii) Conjunctions (समुच्चयबोधक).
- (viii) Interjections (विक्षयादिबोधक).
- III. Parsing (शब्दबोध) and Analysis (विक्षेपण).
- IV. Punctuation (विरामचिह्न)
- V. Sandhi and Compounds (समास).
- VI. Derivation (व्युत्पत्ति).
- VII. उपसर्ग and प्रत्यय.
- VIII. Explanation of easy idioms.

PANJABI.

For 1934 and 1935.

1. Panjabi Matriculation Course of the Panjab University (8th Edition). Price Re. 1-12-0.
 2. "Samundri Bala", by Bawa Udham Singh, B.Sc., B.T. (published by Messrs. Uttar Chand Kapur and Sons). Price Annas 6.
 3. "Nawab Khan", by Sardar Jodh Singh, M.A. (published by Messrs. Uttar Chand Kapur and Sons). Price Annas 8.
- No grammar book is prescribed or suggested. The following syllabus is prescribed :—

I. Orthography—

- (1) Letters and Symbols (ਅੱਖਰ ਤੇ ਲਗਾਂ ਆੜੀਂ).
- (2) Spelling (ਸ਼ਬਦਾਂ ਦੇ ਨੇੜ): rules governing the pure Panjabi forms : misspelt words corrected.

II. Etymology—

1. Noun (ਨਾਂਵ).

(a) Gender (ਲਿੰਗ).

(b) Number (ਵਚਨ).

(c) Case (ਕਾਰਕ).

(d) (ਕਾਰਕ ਰੂਪ ਸਾਧਨਾ).

2. Adjective (ਵਿਸ਼ੇਸ਼ਣ).

(a) Adj. of Quality (ਗੁਣ ਵਾਚਕ), Degrees (ਅਵਸਥਾ).

(b) Numerals (ਸੰਖਿਅਕ).

(c) Adj. of Quantity (ਪਰਿਮਾਣ ਵਾਚਕ).

(d) Demonstrative (ਨਿਸਚੇ ਵਾਚਕ).

(e) Pronominal (ਪੜਨਾਂਵੀ).

And

ਕਾਰਕ ਰੂਪ ਸਾਧਨਾ.

3. Pronouns (ਪੜਨਾਂਵ).

(a) Personal (ਪੁਰਖ ਵਾਚਕ).

(b) Reflexive (ਨਿੱਜ ਵਾਚਕ).

(c) Demonstrative (ਨਿਸਚ ਵਾਚਕ).

(d) Indefinite (ਅਨਿਸਚਿਤ).

(e) Relative (ਸੰਬੰਧ ਵਾਚਕ).

(f) Interrogative (ਪ੍ਰਸ਼ਨ ਵਾਚਕ).

And

ਕਾਰਕ ਰੂਪ ਸਾਧਨਾ.

4. Verb (ਕਿਰਿਆ).

(a) Transitive and Intransitive (ਸਕਰਮਕ ਤੇ ਅਕਰਮਕ).

• (b) Formation of Root Verbs (ਧਾਤੂ ਰਚਨਾ).

(1) Causal (ਪ੍ਰੇਰਨਾਰਥਕ).

(2) Compound (ਸੰਯੁਕਤ).

(3) Active and Passive (ਕਰਤਰੀ ਵਾਚ ਤੇ ਕਰਮ ਵਾਚ).

(c) Tense (ਕਾਲ).

(1) Past Indefinite (ਅਨਿਸ਼ਚਿਤ ਭੂਤਕਾਲ).

(2) Present Perfect (ਸਮੀਪੀ ਭੂਤਕਾਲ).

(3) Past Perfect (ਪੂਰਣ ਭੂਤਕਾਲ).

(4) Past Imperfect (ਅਪੂਰਣ ਭੂਤਕਾਲ).

(5) Conditional Past (ਸ਼ਰਤੀ ਭੂਤਕਾਲ).

(6) Present Tense (ਵਰਤਮਾਨ ਕਾਲ).

(7) Contingent Future (ਸੰਭਾਵ ਭਵਿਖਤ ਕਾਲ).

(8) Future Indefinite (ਅਨਿਸ਼ਚਿਤ ਭਵਿਖਤ ਕਾਲ).

(9) Imperative (ਹੁਕਮੀ ਭਵਿਖਤ ਕਾਲ).

(d) Conjugation (ਰੂਪ ਸਾਧਨਾ).

(1) Conjugation of a Verb (ਕਿਰਿਆ ਦੀ ਰੂਪ ਸਾਧਨਾ).

(2) Conjugation of a Verb Root (ਧਾਤੂ ਦੀ ਰੂਪ ਸਾਧਨਾ).

(e) Participles (ਕਾਰਦਤਕ).

5. Adverb ਕਿਰਿਆ (ਵਿਸ਼ੇਸ਼ਣ).

(a) Kinds :—(ਵੰਡ).

(1) Adverbs of Time (ਕਾਲ ਵਾਚਕ).

(2) „ of Place (ਸਥਾਨ ਵਾਚਕ).

(3) „ of Manner (ਪਰਕਾਰ ਵਾਚਕ).

(4) „ of Quantity (ਪਰਿਮਾਣ ਵਾਚਕ).

(5) „ of Number (ਸੰਖਿਆ ਵਾਚਕ).

(6) „ of Affirmation and Negation (ਨਿਰਣਾ ਵਾਚਕ)

(7) „ of Cause (ਕਾਰਣ ਵਾਚਕ).

(8) „ of Emphasis (ਤਾਕੀਦੀ).

(b) ਸਵਸਥਾ—

- (1) Simple (ਸਾਧਾਰਣ).
- (2) Interrogative (ਪ੍ਰਸ਼ਨਿਕ).
- (3) Conjunctive (ਯੋਜਕੀ).

(c) Formation of Adverbs (ਕਿਃ ਵਿਃ ਦੀ ਰਚਨਾ).

- (1) By Suffixes (ਪਿਛੇਤਰਾਂ ਦੁਆਰਾ).
- (2) Adv. Phrases (ਵਾਕਸ਼).

6. Postposition (ਸੰਬੰਧ).

(a) Kinds (ਵੰਡ).

- (1) Complete (ਪੂਰਣ).
- (2) Incomplete (ਅਪੂਰਣ).
- (3) Mixed (ਦੁਥਾਜਰੇ).
- (4) Symbolic (ਸੰਬੰਧ ਸੂਚਕ ਪਿਛੇਤਰ).

7. Conjunction (ਯੋਜਕ).

(a) Co-ordinative (ਸਮਾਨ).

- (1) Cumulative (ਸਮੁਚੀ).
- (2) Alternative (ਵਿਕਲਪੀ).
- (3) Adversative (ਨਿਖੇਪੀ).
- (4) Relative (ਕਾਰਜ ਬੋਧਕ).

(b) Subordinative (ਅਧੀਨ).

- (1) Apposition (ਸਮਾਨ ਅਧਿਕਰਣ).
- (2) Showing cause (ਕਾਰਣ ਵਾਚਕ).
- (3) „ Purpose (ਮਨਤਵ ਵਾਚਕ).
- (4) „ Contrast (ਵਿਰੋਧ ਵਾਚਕ).
- (5) „ Condition (ਸ਼ਰਤੀ „).
- (6) „ Comparison (ਤੁਲਤਾ ਵਾਚਕ).

8. Interjection (ਵਿਸਮਿਕ).
9. Parsing (ਪਦਵੰਡ).
10. Word building (ਸ਼ਬਦ ਰਚਨਾ).
 - (a) Derivation (ਸ਼ਬਦ ਉਤਪਤੀ).
 - (b) Compounds (ਸਮਾਸ).

III. Syntax--

1. Rules of Syntax (ਵਾਕ ਰਚਨਾ).
2. Analysis (ਵਾਕ ਵੰਡ).
3. Analysis (ਬਿਸ਼੍ਰੰਮਿਤ ਚਿੰਨ੍ਹ).
4. Transformation of Sentences (ਵਾਕ ਵਟਾਂਦਰਾ).
5. Idioms (ਮੁਹਾਵਰੇ).

BENGALI.

For 1934 and 1935.

Poetry—

- (i) "Padya Prakash", Part II, by Nrisingha Chandra Mukhopadhyaya.
- (ii) "Katha", by Rabindra Nath Tagore.

Prose—

- "Ramer Sunati" by Sarat Chandra Chatterjee.
 "Sangjam Siksha" by Chandra Nath Basu.

(Grammar.—No book is prescribed or suggested. The following syllabus is prescribed :—

Elementary knowledge of the following :—

I. Parts of Speech.

- (i) Nouns and their classification ; gender ; number ; case ; and declensions.
- (ii) Pronouns and their classification.
- (iii) Adjectives ; degrees of comparison.
- (iv) Verbs ; tense ; voice ; mood.
- * (v) Adverbs.
- (vi) Conjunctions and interjections.

II. Parsing and Analysis.

III. Swar and Byanjan Sandhi.

IV. Samāsās (compounds).

V. Idioms.

PASHTO.

For 1934 and 1935.

Baharistan-i-Afghani, by Qazi Mir Ahmad Shah Rizwani.

No grammar book is proscribed or suggested. The following syllabus is proscribed : —

- (۱) بشو رسم الخط کے خاص حروف *
- (۲) ضمیموں کا استعمال اور زہ اور ما کا فرق *
- (۳) اسماء اشارات *
- (۴) اسماء استفہام اور خوځ اور ځا کا فرق *
- (۵) مؤنث اور مذکر کے ننانے کے طریق *
- (۶) جمع اور مفرد کے فاعدے *
- (۷) فعلوں کی بناوٹ *
- (۸) فعلوں کی گردانی *
- (۹) خواص فعل منعدي *
- (۱۰) حروف جارة کا استعمال *

*PHYSICS AND CHEMISTRY.

*For 1934 and 1935.**Physics.*

Greater emphasis should be laid on the experimental portions and on the applications of fundamental principles in every-day

* Any one of the following books may be used as a guide for practical work :—

Practical Physics and Chemistry and Laboratory Note-books, by R.S. Professor Ruchi Ram Sahn. A Manual of Practical Science, by Lala Girdhari Lal, B.Sc. - Practical Physics and Chemistry, by Ram Bheja Mal Seth, M.Sc., and Raja Dhan Raj Singh, B.A., B.T. - A Book on Practical Science for M.S.L.C. Candidates, by Lala Mukand Lal Bhatia, M.Sc. - Assignments in Practical Elementary Science by R. H. Whitehouse, D.Sc., and Mabel Whitehouse, B.Sc., published by Macmillan and Co.

life. Space, time and matter. Methods of observation. Recording experiment. Measurement. Simple measurements of length, area, volume, mass and density in British and Metric Systems. Use of the spring balance and the simple form of the School balance. Three states of matter and their characteristic properties. Brahma Press; Pressure of fluids; Principle of Archimedes. Specific gravity of solids and liquids and their determination by Hydrostatic balance; Floating bodies, Hydrometer. Ballon. Atmospheric pressure. Simple Barometer, Water Pump and Siphon.

Simple ideas of Velocity, Acceleration, Graphic representation. Elementary notions of Inertia, Momentum, Force. Three laws of motion. Mass and weight. Laws of gravitation. Centre of gravity. Equilibrium of two forces, three states of equilibrium of a body.

Moment of a force, principle of lever; simple pulley.

Source and effects of heat; heat and temperature. Mercurial Thermometer; Maximum and Minimum Thermometer.

Units of heat, specific heat, thermal capacity, latent heat of water, latent heat of steam. Measurement of specific heat of a solid and latent heat of water by the method of mixture.

Change of state. Fusion. Determination of melting point. Freezing mixture. Evaporation and boiling. Determination of boiling point. Experiments to illustrate change of boiling point with pressure. Moisture in air. Condensation of water vapour. Dew point. Cloud, rain, snow.

Conduction of heat, good and bad conductors; convection; ventilation, convection currents in nature. Radiation of heat. Good radiators, good absorbers and good reflectors of heat rays. Conditions for the formation of dew.

Sources of light; light travels in straight lines, pinhole images, shadows, eclipses.

Reflection of light; laws of reflection of light; image of object by reflection from a plane mirror.

Refraction of light; laws of refraction of light, experimental determination of index of refraction of glass and water by the simple application of the law. Refraction through a prism. Dispersion by a prism. Colour of bodies.

Convex lens; real images by a convex lens; experimental determination of focal length of a convex lens. Convex lens used as a magnifying glass. Principles of Photographic Camera, Magic Lantern, Astronomical Telescope and Microscope.

Electrification of bodies. Positive and Negative Electricity. Gold leaf Electroscope. Conductors and insulators, charging an Electroscope by friction and conduction. Electric induction, charging an Electroscope by induction. Electrophorus.

Simple voltaic cell; local action and polarisation; description of Bunsen's cell, Daniell cell, Leclanche cell, two or more cells in series. Production of heat and light by electric current.

Oersted's experiment; Principle of galvanoscope. Electro-magnet. Electric bell. Electrolysis and electroplating.

Properties of a magnet, making of a magnet, mariner's compass.

Practical Physics.—The use of the yard, foot and inch, the metre, centimetre and millimetre in the measurements of simple lengths, areas and volumes.

The use of the spring balance and the simple balance.

To find the relative density of a liquid by means of a specific gravity bottle.

To find the relative density of a solid by Archimedes' principle.

To show the action of a siphon.

To show that liquids and gases expand when heated.

To determine the melting point of wax and naphthalene.

To determine the boiling point of water.

To show the effect of reduced pressure on the boiling point of water.

To compare the rate of cooling of dull and brightly polished surfaces.

To show that light travels in straight lines.

To prove that the angles of incidence and reflection are equal.

To verify the laws of refraction, to trace the path of rays through a prism.

To find the focal length of a convex lens.

To charge a gold-leaf electroscope and electrophorous.

To set up a simple voltaic cell, a Daniell cell and a Leclanche cell.

To determine the direction of an electric current by a magnetic needle.

To set up an electric bell in a circuit.

To magnetize steel, using a bar magnet.

To make a simple electro-magnet.

Chemistry.

Physical and chemical changes. Elements, compounds, and mixtures, metals and non-metals. Chemical combination and decomposition.

Solution, decantation, filtration, evaporation, distillation, Saturated Solution. Crystals, Crystallisation, Sublimation, Composition of air. Oxygen. Nitrogen. Impurities of air, Deliquescent bodies. Air a mixture.

Chemical affinity, preparation of Oxygen, its properties and uses. Oxidation, reduction, combustion. Parts of candle flame.

Hydrogen, its preparation and properties.

Water, its properties and composition by electrolysis. Rain, spring, mineral, and sea-waters; hard and soft waters. Softening of hard waters.

Organic and inorganic compounds. Allotropic forms of Carbon. Coal, breathing. Burning of a candle. Action of plants on CO_2 .

CO_2 , its preparation, properties and uses. Limestone. Lime and slaked lime. Forms of Calcium Carbonate and Calcium Sulphate.

HCl , its preparation and properties, Chlorides, Sulphur. Its varieties, effects of heat upon it in a closed vessel and in air. SO_2 and its properties. Sulphuric Acid, its properties and action on metals. Sulphates. Phosphorus—red and yellow. Matches.

Nitric acid. Its preparation, properties and uses. Nitrates. Distinction between HCl , H_2SO_4 and HNO_3 . Ammonia and its properties.

Ores and Metals. Alloys and Amalgams. The more important salts of Sodium and Potassium.

Properties of the following metals: Copper, Mercury, Silver, Zinc, Lead, Tin, Iron and Aluminium.

Practical Chemistry.—Acquaintance with simple chemical manipulation, as solution, filtration, decantation, crystallisation, distillation.

To fit up an apparatus to demonstrate the combination of oxygen of the atmosphere with iron.

Cork boring; cutting, bending and drawing out of glass tubing and glass rod.

The preparation and properties of oxygen and hydrogen.

The distinction between acids and alkalies.

To neutralise an acid with an alkali and *vice versa*.

A study of the zones in a candle flame.

The products of combustion as illustrated by the burning of a candle.

To distinguish between hard and soft waters and to soften hard water.

The action of heat on coal to show the production of coal gas.

The preparation and properties of carbon-dioxide, hydrochloric acid and nitric acid.

Test for hydrochloric acid, sulphuric acid and nitric acid.

The action of heat on sulphur.

To prepare monoclinic and plastic forms of sulphur.

Books recommended are :—

1. Experimental Science for Indian Schools by Gregory and Hodges (Macmillan & Co.).

2. A Class-Book of Science (Vol. I Physics, and Vol. II Chemistry), by S. Prem Singh, M.Sc., and L. Ram Bheja Mal,

M.Sc. (published by Messrs. Uttam Chand Kapur and Sons, Lahore).

3. Matriculation Science Part I Physics, by Messrs. W. R. Jones, Chirag-ud-din and Minhaj-ud-din, published by Messrs. Shamsher Singh and Co., Katchery Road, Lahore. Price Re. 1-12-0.

4. Matriculation Science Part II Chemistry, by Messrs. W. R. Jones, Chirag-ud-din and Minhaj-ud-din, published by Messrs. Shamsher Singh and Co., Katchery Road, Lahore. Price Re. 1.

5. School Chemistry by Prof. N. A. Yajnik, M.A., A.I.C., published by Messrs. Atma Ram and Sons, Book-sellers, Lahore. Price Re. 1.

6. School Physics by Dr. G. L. Datta, M.Sc., Ph.D., published by Atma Ram and Sons, Book-sellers, Lahore. Price Re. 1-12-0.

SANSKRIT.

For 1934 and 1935.

Paper (a).—No grammar book is prescribed or suggested. The following syllabus is prescribed :—

1. Ac-, hal-, and Visarga-Sandhis.
2. Change of 'n' into 'ṇ' and of 's' into 'ś'.
3. Declensions of simple bases and sarva-nāma.
4. Prominent feminine affixes.
5. Prominent uses of cases.
6. Numerals.
7. Degrees of comparison.
8. Conjugation of the following roots in लट्, लङ्, लोट्,

विधिलिङ्, and लृट् :—

(a) भ्वादिः भू (P.), हृष् (P.), पठ् (P.), रञ् (P.), वड् (P.),

पच् (P.), नम् (P.), गम् (P.), वृश् (P.), सङ्

(P.), स्या (P.), स्मृ (P.), पा (P.) and जि—

सेव् (A.), लभ् (A.), वृत् (A.), वृध् (A.), मुञ्ज् (A.),

सह् (A.) and ईच् (A.)—

याच् (U.), नी (U.) and वृ (U.).

(b) अदादि : अद् (P.), अस् (P.), स्तु (P.), ब्रू (P.), रुद् (P.),
 दुह् (P.), जाय् (P.), स्वप् (P.), हन् (P.),
 विद् (P.), शास् (P.), (P.) and इ (P.)—
 आस् (A.), शौ (A.) and अधि + इ (A.).

(c) जुहोत्यादि : हु (P.) and भी (P.)—
 दा (U.) and भृ (U.).

(d) दिवादि : दिव् (P.), वृत् (P.), व्यध् (P.), नश् (P.), शम्
 (P.) and अम् (P.)—
 विद् (A.), युध् (A.) and जन् (A.).

(e) स्वादि : सु (U.), आप् (P.) and शक् (P.).

(f) तुदादि : तुद् (P.), इष् (P.), स्पृश् (P.) and प्रच्छ (P.),
 मृ (A.), विद् (U.) and मुच् (U.).

(g) रुधादि : रुध् (U.), भुज् (U.) and युज् (U.).

(h) तनादि : तन् (U.), कृ (U.).

(i) क्रादि : क्रौ (U.), ग्रह् (U.), ज्ञा (U.) and मुष् (P.).

(j) चुरादि : चूर् (U.), चिन्त् (U.), तद् (U.), कथ् (U.) and
 भत्त् (U.).

N.B. -P. stands for परस्मैपद.

A. stands for आत्मनेपद.

U. stands for उभयपद.

9. Prominent causal forms.

10. Voices— an elementary knowledge only.

11. Compounds— an elementary knowledge only.

12. Kṛdanta—use of only the following affixes :—

Kta ; ktavatu ; tum ; tavya ; anīya ; yat ; śatr̥ : and śānac.

Paper (b)— (i) “ Upakhyān Mala ” (revised edition), by Bhagvad Datta, published by the Punjab Printing Works Book Depôt, Lahore. Price Annas 10 for paper cover.

(ii) Sanskrit Paricaya, by Girdhar Sharma, published by Messrs. Moti Lal Benarsi Das, Lahore. Thick paper cover. Price Annas 10.

ARABIC.

For 1934.

Paper (a)—No grammar book is prescribed or suggested. The following syllabus is prescribed :—

I. Orthography (علم حروف العجاء) :—

- (1) Letters and orthographic signs (حروف و حرکات).
- (2) Forms and kinds of Hamza (صور الهمزة و اقسامها).
- (3) Words of irregular spellings.

II. 'Etymology (علم الصرف) :—

- (1) Tenses (افعال). Primitive (مجرد) and derivative (مبريد فيه), trilateral (ثلاثي) and quadrilateral (رباعي) forms.
Important significations (خواص الابواب) ‘ Seven Classes ’ (هفت اقسام).
- (2) Kinds (اقسام) and measures (اوزان) of nouns.
Important derivative nouns (اسماء مشتقة).
Numerals (اسماء الاعداد). Feminine (مؤنثات) and plural forms (جموع).
- (3) Personal (ضمائر), demonstrative (اسماء الاشارة) and relative pronouns (الموصولات).
- (4) Important governing and non-governing particles (حروف عاملة و غير عاملة).

III. Syntax (علم النحو).

- (1) Nominal and verbal sentences (الجملة الاسمية والفعلية).
- (2) Declinable (معرب) and indeclinable (مبني) nouns.
Triptotes (منصرف) and diptotes (غير منصرف).
Various case-marks (انواع الاعراب).
- (3) Concord (مطابقة) between Subject and Predicate.
- (4) Objective Complements (مفاعيل). Circumstantial
(تمييز) and specificative adverbs (حال).
- (5) Important appositives (توابع).

Paper (b)—1. *Mirqat-ul-Adab*, by M. Zafar Iqbal, M.A.
(Messrs. Uttar Chand Kapur and Sons).
Price Re. 1-4-0.

2. *Bakurat-ul-Adab*, in a thick paper cover, by M.
Zafar Iqbal, M.A. (Maktaba-i-Hijaziyya,
Beaon Road, Lahore). Price Annas 8.

For 1935.

Paper (a)—The same as for 1934.

Paper (b)—*Durūs-ul-Adab*, Parts I and II, by M. Zafar Iqbal
(published by the University of the Panjab).
Part I: Price Re. 1. Part II: In Press.

PERSIAN.

For 1934 and 1935.

1. New Revised Persian Matriculation Course of the Panjab University (1928 Edition).

2. *Aina-i-Ajam*, by Dr. Sir Mohammad Iqbal (Messrs. Uttar Chand Kapur and Sons, Anarkali, Lahore). Price Annas 10.

No grammar book is prescribed or suggested. The following syllabus is prescribed :—

Noun, Gender (تذكير وتانيث), Number (واحد و جمع).
Formation of Plurals. Different forms of Arabic broken plurals
(جمع مكسر) used in Persian. *Izāfat* (اضافت).

Adjectives: Comparative and superlative degrees (تفضيل)
(بعض و تفضيل كل) and their formation both according to the
Persian and Arabic grammars. Masculine and feminine forms of

Arabic adjectives. Cardinal and ordinal numbers (اسم عدد و) (اعداد ترتیبی). Fractional numbers (اعداد کسری).

Pronouns : Personal, Relative (اسم موصول), Interrogative, Reflexive, Separable and Inseparable Pronouns (ضمیر متصل و) (منفصل).

Verbal Noun (مصدر). Various forms of Arabic Verbal Nouns used in Persian. Formation of افعال - و تفعل - و تفعیل - . and استفعال - . along with their derivatives (اسم فاعل و اسم مفعول).

Verb : Transitive and Intransitive (لازم و متعدی) Formation of various tenses from infinitives both in the Active and Passive Voice (معروف و مجهول). Imperative (امر و نهی). Subjunctive (مضارع). Optative (دعائیہ). Auxiliary (فعل تائیدی). Causative (متعدی متعدی). The use of را with the direct object (مفعول به).

Derivative Nouns اسم مفعول و حاصل مصدر و اسم فاعل (both Persian and Arabic) (اسماء مشتقہ) اسم ظرف و اسم آلہ (Persian and Arabic). Noun of profession (فعال).

Different uses of the Subject and Predicate مرکب نام حروف (مبتدا و خبر).

Analysis of simple sentences.

HEBREW : 1934 AND 1935.

Paper A—

Genesis, Chapters 37-50.

Recommended for study :—

“Genesis” by Dr. W. H. Bennett—in the Century Bible—published by Jack.

Paper B—

Grammar recommended :—

“Introduction to the Study of Hebrew”, G. T. L. Maggs (Books for Bible Students, published by the Wesleyan Book Room, London).

Lexicon—“The Student’s Hebrew Lexicon”.

GREEK : 1934 AND 1935.

Xenophon—Anabasis, Books I and II.

LATIN : 1934 AND 1935.

1. Cæsar—De Bello Gallico, Books IV and V.
2. Virgil—Æneid, Book I.

FRENCH : 1934 AND 1935.

Le Roi des "Montagues" (Edmond About) abridged edition.
 Publisher—Blackie's Longer French Text. Price 8 Annas.

GERMAN : 1934 AND 1935.

Hans Jakob-Aus den Leben eines Unglücklichen, edited by
 Miss E. Dixon, published by Macmillan and Co.

SYLLABUS IN CIVICS.

For 1934 and 1935.

A.

1. Control and co-operation (law and order) as evinced in :—

- (a) The home.
- (b) The school.
- (c) The village community.
 Panchayet Act
 Co-operative Societies in illustration.
- (d) The Provincial Government.
- (e) The Government of India. Emphasis to be placed on
 the need of creating public authorities. A few typical
 instances of public officers (e.g., Lambardar, Tahsildar,
 Deputy Commissioner) with explanation of the duty
 of members of the public in co-operating with
 authority.

2. The wider community of the British Commonwealth and its justification. The ideas of representative and of responsible Government, illustrated in varying forms and degrees by the different types of Government of the constituent members of that Commonwealth. The idea of service for the community on the part of the individual to be emphasised throughout, and illustrations and comparison to be drawn from school life whenever possible. (The function of the Crown as symbolic and unifying to be noticed.) Recent Political

Reforms in India as illustrating an approach to responsible and representative Government. Meaning and responsibilities of the vote.

B.

Need of permanent machinery for essential public services :—

The legislature.—

- Its function in (a) making laws,
(b) influencing the administration,
(c) voting supplies.

The meaning and importance of by-laws, illustrated, *e.g.*, in Railway administration, Municipal and District Boards.

Administration.—

Upholding the law.

The Police—protecting the public and detecting crime.

The Judge—securing justice and punishing crime.

Objects of punishment and changing character of treatment of criminals illustrated in reformatories.

Right of Appeal.

C.

Education : the attempt to make good citizens. Types of school (grades, and general and special schools). The state of educational progress in India.

D.

Taxation.—The individual's contribution for public services. Different ways in which he is made to contribute. Main items of taxation.

E.

Defence of the Country.—Army, Navy, Air Force. Purpose and maintenance. Dangers of Militarism.

Books recommended :—

1. Citizenship by Lay—published by Macmillan.
2. India of To-day by Garrett—published by R.S. Munshi Gulab Singh and Sons. Price Annas 8.
3. Elementary Civics and Administration by Mr. Man Mohan and Daruwala (published by Longmans).

HYGIENE.

For 1934 and 1935.

(a) The syllabus in Hygiene shall be the same both for Physiology and Hygiene and for Civics and Hygiene.

(b) There shall be a practical test in Hygiene with whichever subject it might be combined.

(c) Syllabus for paper (B) in Civics and Hygiene or Physiology and Hygiene.

1. Elementary facts of anatomy and physiology. Position of the chief organs of the body and the physiology of these organs.

2. Importance of practical hygiene illustrated from mortality figures.

3. Personal hygiene.—

- (i) Air.—Breathing (Physiological explanation). Composition of air. Common contaminations. Ventilation. Proper breathing habits.
- (ii) Drinking water.—Sources, Common sources of impurity. Methods of purification and keeping stored water pure.
- (iii) Food.—Elementary facts regarding the physiology of digestion and circulation. Constituents of a satisfactory diet. Milk. Digestibility of common foods. Food contamination before and after cooking. Importance of fresh food and green vegetables. Common errors in diet. Hours for meals and need for regularity.
- (iv) Beverages and condiments.—Their use and abuse. Lassi (Butter milk) Syrups, Aerated waters, Tea, Alcoholic drinks.
- (v) Cleanliness of person.—Physiology of the skin. Cleanliness of the body, hair, eyes, nose, ear, mouth, teeth, fingernails, feet, clothes.
- (vi) Clothing.—Types. Woollen and cotton materials and their value as clothing. Bed clothing.
- (vii) Exercise.—Rest and Recreation. Elementary facts regarding physiology of muscle. Types of exercise and their purpose. Rest and contrast with idleness. Sleep times and conditions.
- (viii) Common diseases.—Causes and prevention of small-pox, constipation, diarrhoea, dysentery, cholera, typhoid fever, tuberculosis, influenza, malaria, plague and rabies.
- (ix) Insect foes.—Mosquito, flea, sand-fly, house-fly, bug, louse and the diseases with which they are associated.
- (x) Sight.—Common causes of eye troubles, flies, dust, glare, use and abuse of spectacles, good and bad lighting and healthy conditions of study.

4. Social Hygiene.—

- (i) *Urban and village life*.—Opportunities for healthy life.

- (ii) Houses in towns and villages with special reference to ventilation, sun-light, and position of living rooms with respect to latrines, kitchens and housing of cattle.
- (iii) *Water-supply in towns and villages*.—Municipal supplied. A satisfactory well. Pollution of wells.
- (iv) *Drainage*.—Purpose of drains; their abuse. Kachcha and Pukka drains. Disinfection of drains.
- (v) Disposal of refuse and manure—Various methods.

Practical applications. Physical Exercises. Breathing Exercises. Disinfecting drains, latrines and houses. Rat destruction. Fly and Mosquito control. Filtration of water. Excursions for study of water supply, drainage, disposal of refuse.

In the practical examination candidates will be required to show a practical acquaintance of the following :—

Identification of larva and adult stages of *Culex* and *Anopheles*, and the following other disease-carrying insects: Flea, Sand-fly, and House-fly; identification and mode of employment of commoner disinfectants; microscopic appearance of cotton, woollen and silk fibres and of admixtures.

(d) The distribution of marks for the subject Civics and Hygiene shall be as shown below :—

	<i>Marks.</i>
Civics	75
Hygiene (Written) ..	60
Hygiene (Oral and Practical) ..	15
	<hr/> 150 <hr/>

PHYSIOLOGY FOR 1934 AND 1935.

I. GENERAL ORGANIZATION.

Alimentary Canal (pharynx, oesophagus, stomach and intestines); salivary glands, liver and pancreas; trachea and lungs; heart and the vessels connected with it; diaphragm; kidneys and bladder; brain and spinal cord; nose, eye and ear.

The parts of the skeleton :—Skull and vertebral column; ribs and sternum; scapula and clavicle; humerus, radius, ulna, carpus, metacarpus, and phalanges (of the hand); pelvis, femur, tibia, fibula, tarsus, metatarsus and phalanges (of the foot).

Origin and insertion of muscles, structure of a typical joint, with examples of ball-and-socket, hinge and pivot joints. Different kinds of levers, with examples of them in the body.

Chief source of heat production in the body. Temperature regulation in the body.

*The microscopical appearance of nervous, muscular, bony, connective and epithelial tissues and of blood.
The chemical composition of the body.

II. DIGESTION.

Examples of proteins, fats, carbohydrates and salts in common articles of food. The changes produced in food by mastication and by the action of saliva, gastric juice, pancreatic juice, bile and intestinal juice. The object of digestion.

III. ABSORPTION.

Form and function of villi. Absorption of different kinds of food into the blood and lymphatic vessels. Portal circulation, and the storage of carbohydrate food in the liver.

IV. CIRCULATION.

Course of circulation through the chambers of heart, arteries, capillaries and veins. Evidence of circulation. Functions of the blood. Coagulation.

V. RESPIRATION.

Mechanism of respiration. Inspiration and expiration. Differences between the inspired and expired air. Changes which the blood undergoes during its circulation in the lungs.

VI. EXCRETION.

The part played by the kidneys and skin in excretion.

VII. SENSATION AND CO-ORDINATION.

Touch, taste, smell, hearing, and sight.

Sensory and motor impulses.

Functions of the brain and spinal cord. Reflex action.

In the practical examination candidates will be required to show a practical acquaintance of the following:—

* Students are not required to make microscopical preparations, but teachers are expected to demonstrate the appearance of simple tissues under the microscope.

No microscopical work would be required from the boys in the practical examination.

Human Skeleton (articulated and disarticulated); types of Joints; Natural Levers; Viscera in a dissected rabbit; dissected specimens of heart, blood-vessels entering and leaving the various chambers of the heart, trachea, lungs, kidney, from goat or sheep; models of eye-ball, ear and brain; microscopic appearance of blood, bone, muscle; appearance of a decalcified long bone; radial pulse; use of clinical thermometer; respirations per minute, effect of muscular exertion on rate of respiration, result of breathing into lime-water; microscopic appearance of a drop of diluted milk, starch grains from potato; iodine test for starch; appearance presented when a solution of white of eggs is boiled, the general process of digestion as exemplified by the action of Benger's liquor pepticus (artificial gastric juice) on coagulated egg albumen; effect of boiling the liquor pepticus before use; use of lactometer; formation of a real image by convex lens, demonstration of the existence of the blind spot; simple tests for short-sight and long-sight; simple tests for hearing; demonstration of a reflex act.

Books recommended :—

***PHYSIOLOGY AND HYGIENE : 1934 AND 1935.**

1. Elementary Text-book of Physiology by Murche (Blackie and Sons) or Elementary Physiology by B. L. Bhatia and P. N. Suri.
2. Elementary Hygiene (Longmans)—Bhatia and Suri.
3. The First Laws of Health by Colonel Megaw.
4. B. N. Singh's Laboratory Note-book of Physiology and Hygiene.
5. A Handbook of Practical Physiology and Hygiene by Kishori Lal Aggarwal, published by Uttar Chand Kapur and Sons, Anarkali, Lahore.
6. A Text Book of Hygiene by Ramamurti (Macmillan and Co.). Price Annas 12.

DRAWING : 1934 AND 1935.

1. *Drawing in Light and Shade* from a group of at least three common objects, one based on the circle such as lota, ghara,

* The following books are recommended for the use of the teachers :—

- Thornton :—Elementary Manual of Physiology (Longmans).
- Lukis and Blackham :—Tropical Hygiene (S. J. Amb. Assocn.).
- Philips' Popular Manikin.
- "How our Bodies are made" by R. N. Wilson (Oxford Press).

etc., one rectangular in form such as book, box, etc., and one irregular such as fruit, vegetable, loaf, etc. The group to be drawn and shaded in pencil, sepia, Indian ink, water colour or pastel so as to express them correctly in light and shade. The drawing to be well arranged on a half Imperial sheet of Drawing Paper. Accuracy of form should be particularly emphasised.

2. *Scale Drawing* from objects such as the following :—

- (1) School form or bench.
- (2) Stool with elliptical top.
- (3) Rectangular table with drawers.
- (4) Drawing desk.
- (5) Vertical black-board and stand.
- (6) Almirah.

In scale drawing the scale must first of all be drawn on the paper and the dimensions of the various parts of the object clearly shown on the drawing. Plan, elevation and side elevation must be shown.

3. *Geometrical Drawing*.—For Practical Geometrical Drawing the following portions from New Gill's Geometry have been prescribed :—

Plane Geometry, problems 1 to 117.

Solid Geometry, problems 294 to 311.

AGRICULTURE.

SYLLABUS FOR 1934 AND 1935.

I. Plant life.

The living plant and its parts.

Functions of leaf, stem and root.

Parts of the flower and function of each part.

The seed, its parts and their functions. Comparison of different types of seeds and fruits,

Natural methods of seed and fruit dispersal.

Conditions necessary for germination of seeds,

Methods of propagation of plants.

Conditions for healthy growth of plants in general,

Principal elements required by plants as food.

Elementary ideas concerning transpiration, respiration and assimilation.

II. Elementary Agriculture.

Classification of soils based on texture, their physical properties. Suitability of different soils for various farm crops.

Difference between soil and sub-soil.

Tillage, its objects and practices,

Seed sowing methods and practices in the Province.

Irrigation, its necessity, and methods of application.

Manures commonly used or available in the Province, object of manuring.

PRACTICAL AND EXPERIMENTAL WORK.

Experiments to illustrate the following :—

1. The physical properties of sand and clay with special reference to their comparative weights, permeability to air and water and their relative water holding capacity.

2. That air, heat and moisture are essential to the germination of seeds, and that in addition to these three factors light is essential to the normal growth of plants.

3. The study of the parts of common flowers.

Propagation of plants by cuttings, layering and grafting. (This should be done on a small demonstration area.)

Growing of common vegetables of the Province on small plots and keeping a full record of all operations.

Working of the common agricultural tools and some knowledge of such improved implements as the furrow-turning plough, hoes, harrows, drills, etc.

Measurement of land by different systems and rough estimates of length and areas of plots.

Identification of the common *Rabi* and *Kharif* crops and their seeds.

Identification of common weeds and maintenance of herbarium.

Collection of seeds of farm crops and vegetables.

Familiarity with current prices of common agricultural products, tools and implements. The manufacture of common agricultural products should be studied in local places where the operations are being done.

Practice and observation of the local methods of sowing and harvesting farm crops.

Identification of cotton bollworm, sugarcane borer, red rot of sugarcane, white ant, smut, rust ; preventive and remedial measures.

The following books are recommended :—

- (1) First Book in Agriculture, by C. Benson (Macmillan and Co.).
- (2) Nature Study, by E. Thompstone (Longmans, Green and Co.), omitting the portions on birds.
- (3) J. J. Green's "Rural Science".

The teaching in both the above subjects must be supplemented by actual observations in the field and a study of the local agricultural conditions,

DOMESTIC ECONOMY : 1934 AND 1935.

For Female Candidates only.

SYLLABUS.

This course is in three parts :—

1. Hygiene. 2. Home Nursing. 3. Sewing and Cutting out.

As a basis for the teaching of Hygiene and Home Nursing there should be a preliminary simple treatment of the following topics of Elementary Physiology :—

The human skeleton, the organs of digestion, the circulation of the blood, the nervous system, respiration, excretion.

1. *Hygiene.*

Note.—Great importance should be attached to practical work wherever the subject admits this.

Air.—Composition of air, ventilation, impurities of air, diseases caused by impure air ; anæmia, debility, predisposing to consumption and lung diseases. Danger of charcoal stoves ; sleeping with head covered. Importance of fresh air.

Water.—Composition of water, quantity of water required, sources of water supply, springs, deep wells, surface wells, river tanks ; how water is polluted, how to prevent pollution, how to purify water, boiling, filtering and its dangers. Diseases caused by impure water ; cholera, enteric, dysentery, hookworm disease, etc.

Houses.—Choice of a house, its situation, floors and roofs, windows. Cleanliness of house and garden, burning of all rubbish. Importance of light, air and dryness. Disposal of sewage.

Food.—Composition of food, composition of good diet, preservation of food, cooking of food, drinks and condiments. Diseases caused by eating food polluted by flies, rotten or stale food, overripe fruit.

Personal Hygiene.—Cleanliness, bathing, clothing, exercise, early marriage. Importance of temperance, use of pân, opium and other drugs, spitting. Function of the skin as an excretory organ, dangers of dirty skin, dirty clothes, bedding. Parasites. Regular habits concerning sleep and meal times.

Diseases.—Conveyed by the bites of insects ; Malaria, Lahore sore, Tropical sores, Relapsing fever by mosquito.

Plague by rat flea, contagious diseases, Tuberculosis, Leprosy, Smallpox, Measles, Whooping cough.

Caused by flies ; Diarrhœa of infants, Dysentery, Enteric. *

First-Aid.—Bandages ; Triangular to head, chest, to fasten splints and as slings.

Roller ; to limbs and fingers.

Bleeding of different kinds, how to stop bleeding. How to render first-aid to persons suffering from cuts, bruises, sprains, scalds, burns, dislocation and broken limbs.

What to do in cases of suffocation, drowning, choking, snake-bite, stings of insects, bites by mad dogs, foreign bodies in the eye, ear, nose, etc.

How to treat cases of fainting, sun-stroke, epilepsy.

2. *Home Nursing.*

Note.—None of the work is to be purely theoretical. Practice must be given in every point which allows of practical work.

Room.—Bed, bedding, furniture, light, warmth, ventilation.

Nurse.—Health, dress, duties, and qualification of nurse.

Necessity of keeping the patient quiet.

External remedies.—Poultices, plasters, fomentations, ice baths, hot and cold, temperature of baths.

Food.—Kind of food and preparation, way of giving.

The sick room.—Administration of medicine, pulse and temperature, charts, bathing, changing of garments and bedding.

Infectious illness.—Precautions during illness, disinfection of room, clothing and bedding. After illness, use of disinfectants.

Convalescence.—Occupation, visitors, rest and food.

Children.—Baby from birth to 7 years. Their care and training, food, sleep, exercise, play, clothing, cleanliness, surroundings.

3. *Sewing and Cutting out.*

Note.—To cut out and make up the garments in the list given below. A good standard of skill will be required in the various stitches used in making up these garments and in mending worn articles of clothing :—

1. A complete set of simple clothes for a child between two and four years of age.
2. Knitting of socks and a cap for a baby of one month, or of a vest or jumper for a girl over ten years of age.
3. Any kind of embroidery preferred by the candidate, but brought to a good standard of work.
4. Darning and mending—specimen of darning and mending of clothes and of household linen.

Books recommended.

Indian Manuals of First Aid and Home Nursing. (Thacker, Spink and Co., Calcutta.)

Physiology, Hygiene and First Aid, for Indian Schools. (Longmans, Green and Co.)

SHORTHAND AND TYPEWRITING : 1934 AND 1935.

'Pitman's System' is prescribed for study.

*Typewriting—(i) a letter with Carbon copies, (ii) a simple tabular statement, (iii) from a rough and unarranged draft in manuscript containing common abbreviations. A knowledge of the mechanism of a typewriting machine is expected of all candidates in Typewriting.

Book recommended—"Modern Touch Typewriting" by K. V. Moore (E. Arnold).

ARITHMETIC AND COMMERCIAL ARITHMETIC OR ALGEBRA.

For 1934 and 1935.

Paper (a).--*Arithmetic.*

Numeration, Notation. The Four Fundamental Rules, Factors and Prime Numbers, G.C.M. and L.C.M., Vulgar and Decimal Fractions, including simple forms of recurring decimal, Ratio and Proportion, Simple and Compound Interest, Proportional Parts, Profit and Loss, Practice, Discount, Averages, Square Root, Areas of rectangles and circles; and surfaces, Volume of Rect.--Parallelopiped and Right Circular Cylinder, Decimal approximations, the Calendar, Elementary Graphs, simple cases of Stocks and Shares.

Paper (b).—Commercial Arithmetic, or Algebra.

Commercial Arithmetic.—

Percentages; Rates and taxes; Allegations, Bankruptcy; Annuities; Present worth and discount; Contracted Methods; Native system of Accounts; Stocks and Shares.

Algebra.—

Simple Equations with one or more unknown quantities and Problems. Involution and Evolution, Factors, H.C.F. and L.C.M., Fractions, Indices, Surds, Ratio and Proportion, Simple Identities and Eliminations, Simple graphs of Equations of the first Degree.

BOOK-KEEPING AND COMMERCIAL CORRESPONDENCE, AND
HANDWRITING (TO BE JUDGED BY DICTATION, THE
SPEED BEING GIVEN).

For 1934 and 1935.

Paper (a).—*Book-keeping.*

Primer of Book-keeping by Pitman. Book-keeping by Logan
"Spencer and Peglar's Elementary Book-keeping."

* In typewriting the "touch" system only is allowed. (School Board, 7th December, 1920.)

First Lessons in Book-keeping by J. Thornton, published by Macmillan and Co., or Elements of Book-keeping, by B. S. Sodhi, published by Macmillan and Co.

Paper (b).—*Commercial Correspondence.*

*The following will indicate the test and standard of study :—

The arrangement and statement in tabular form and chronological order of the substance of each of a number of documents forming a connected correspondence on some particular subjects.

The expression in the form of a brief, connected and well-composed narrative of the substance of an official or commercial correspondence, a public speech, evidence in a court of law, or a lengthy prose passage.

The drafting of letters in official or commercial form from rough notes giving the substance of the communications to be issued.

. Paper (c).—*Handwriting (to be judged by Dictation).*

The following will indicate the test and standard of study :—

The taking down from Dictation of a passage of the standard of the reading books prescribed for the M.S.L.C. Examination in English.

Courses of Reading prescribed for the Intermediate Examination of 1934 and 1935.

Arts Faculty.

ENGLISH : 1934 AND 1935.

Paper A.—The following books are prescribed :—

For 1934.

Poetry—

1. New Paths in English Poetry edited by Eric Dickinson (published by the University of the Panjab). Price Rs. 2-4-0.

Prose—

2. Tales of Travel and Exploration by Richard Wilson (J. M. Dent and Son).
3. St. Ives by Stevenson (The Wayfarer's Library—Dent). Price £0-1-6.

* (This does not, however, preclude an examiner from requiring from candidates a summary of a lengthy piece of prose or the writing of a prose passage from a summary.)

Prose—

- | | |
|--|--|
| 4. Selected English Short Stories by Miss Wedgewood Heath Uttar Chand Kapur and Sons). Price Re. 1-12-0. | 5. Modern English Essays by H. W. Padley (R.S. Munshi Gulab Singh and Sons). Price Re. 1-12-0. |
|--|--|

*For 1935.**Poetry—*

- | | |
|---|--|
| 1. New Paths in English Poetry edited by Eric Dickinson (published by the University of the Panjab). Price Rs. 2-4-0. | 3. St. Ives by Stevenson (The Wayfarer's Library—Dent). Price £0-1-6.
4. Some Stories of Wonder and Adventure by Miss Heath (Uttar Chand Kapur and Sons). Price Re. 1-12-0. |
|---|--|

Prose—

- | | |
|---|---|
| 2. Tales of Travel and Exploration by Richard Wilson. (J. M. Dent and Son.) | 5. Standard English Essays by H. Martin (Shamsher Singh and Company). Price Re. 1-10-0. |
|---|---|

Paper B.—In this paper a candidate's knowledge of written English will be tested. The composition will be so taught and examined that a student is able to answer any question requiring a businesslike use of every-day English. For example, a candidate may be required to write a story from a given sketch, to complete a story part of which is given; or to write a letter personal or official; or to write paragraphs on given subjects, or find headings for given paragraphs, or to paraphrase or abstract given passages in prose or verse from modern writer; or to write sentences illustrating modern English usage; or show a knowledge of the English Grammar.

MATHEMATICS : 1934 AND 1935.

1. *Algebra*.—Quadratic equations involving one variable theory of Quadratic equations including the rise of imaginaries; the Progressions including nr^2 and nr^3 ; the formulæ nC_r and nP_r with their simpler applications; Binomial theorem with positive integral index; statement and application of the Binomial theorem for negative and fractional indices; elementary partial fractions.

2. *Geometry*.—(a) *Plane Geometry of the straight line and circle.*

If ABCD be four points taken in order on a straight line
 $AB.CD + BC.AD + CA.BD = 0$.

The existence and simpler properties of the nine-points circle.

If ABC be a triangle, and AD the bisector of an angle

$$BA.AC=BD.DC+AD^2.$$

If ABC be a triangle, and AD the perpendicular on the base from A, and AE the diameter of the circumcircle through A

$$BA.AC=EA.AD.$$

ABCD be a quadrilateral inscribed in a circle

$$AC.BD=AB.CD+BC.AD.$$

Determination of radical axis and radical centre of circles.
Simple properties of Poles and Polars and circles of similitude.

If two rectilinear figures be similar, they can be placed, so that the lines joining their corresponding vertices are concurrent.

If two rectilinear figures be similar, their corresponding sides and diagonals are proportional.

Arcs of a circle are proportional to the angles subtended by them at the centre.

Ceva's Theorem and Menelaus's Theorem.

(b) *Geometry of the Parabola and Ellipse.*

(1) *Parabola.*

Tracing the curve from the definition.

Latus Rectum is four times the focal distance of the vertex

$$PN^2=4.AS.AN.$$

The locus of middle points of parallel chords is a straight line parallel to the axis, passing through the point of contact of the tangent parallel to the chords.

The focal chord which is bisected by any diameter is equal to four times the line joining the focus to the vertex of the diameter.

If QV is an ordinate to the diameter PV, then $QV^2=4SP.PV$.

If any chord QQ' intersects the directrix in D, SD bisects the exterior angle between SQ and SQ'.

The portion of the tangent at any point intercepted between that point and the directrix subtends a right angle at the focus.

The tangent bisects the angle between the focal distance and the perpendicular on the directrix.

The tangents at the extremities of a focal chord intersect on the directrix at right angles.

The sub-tangent is bisected at the vertex.

The normal at any point makes equal angles with the focal distance and the axis.

The sub-normal is equal to half the latus rectum.

The locus of the foot of the perpendicular from the focus on tangents is the tangent at the vertex.

(2) *Ellipse.*

Tracing the curve from the definition.

The curve is symmetrical with regard to the minor axis and has a second focus and directrix.

$$CS.CX=CA^2, SP+S'P=AA'; CB^2=SA.SA'.$$

If any chord QQ' of an ellipse intersect the directrix in D , SD bisects the exterior angle between SQ and SQ' . $P'N^2 : A'N.AN = CB^2 : CA^2$.

The locus of middle points of parallel chords is a straight line passing through the centre and the points of contact of tangents parallel to those chords.

The portion of the tangent at any point intercepted between that point and the directrix subtends a right angle at the focus.

The tangents at the extremities of a focal chord intersect on the directrix.

The tangent at any point makes equal angles with the focal distances of the point.

The locus of the feet of the perpendiculars from the foci upon tangents is the auxiliary circle.

N.B.—Analytical proofs will be accepted unless in any special problem a geometrical proof is demanded by the examiner.

3. *Trigonometry.*—Sexagesimal and circular units of angular measurement; Trigonometrical ratios and the simple relations connecting them; relations between trigonometrical ratios of angles differing by multiples of right angles; addition and subtraction formulæ Logarithms; solution of triangles and simple cases of heights and distances; radii of the circumscribed, inscribed and escribed circles of triangles; area of a circle; graphs of simple trigonometrical functions.

4. *Analytical Conics.*—Equations of the straight line, the circle, the parabola and the ellipse referred to rectangular axes and the tangent properties of the last three curves.

5. *Differential Calculus.*—Differentiation of Elementary functions; successive differentiation excluding Leibnitz's theorem; Statement of Taylor's and Maclaurin's theorems and application to general Binomial expansions, Exponential and Logarithmic series and the expansions of $\sin \theta$ and $\cos \theta$; Maxima and Minima without reference to Taylor's theorem; Application to equations of tangents and normals. Definition of integration as inverse of differentiation and integration of elementary functions.

HISTORY.

*For 1934 and 1935.**Paper (a)—History of India to 1526, and Civics.*

1. The Aryan occupation of India.
2. Vedic civilisation and culture.
3. Development of early Indian polity.
4. Buddhism and Jainism.
5. Persian and Macedonian invasions of India.
6. The Mauryan Empire and its administrative system.
7. Asoka and the growth of Buddhism.
8. Invasions and settlements of Bactrians, Greeks, Parthians and Scythians.
9. Kanishka and the transformation of Buddhism.
10. The Guptas and the Hindu renaissance.
11. Huna invasions and collapse of the Gupta Empire.
12. The spread of Indian colonisation and Culture.
13. Harshavardhana and his times.
14. Local dynasties in northern India, A.D. 700-1200.
15. Southern Indian kingdoms and their administration.
16. Hindu society and culture in the 11th and 12th centuries.
17. The rise and spread of Islam.
18. The Arab invasion of Sindh.
19. The Ghaznavid occupation of the Punjab.
20. Establishment and expansion of the Muslim empire in northern India.
21. The Khiljis and the conquest of the Deccan.
22. Mughal invasions of India.
23. The Tughlaks and the break-up of the Pathan Empire in India.
24. Government and administration in mediæval India.
25. Local dynasties in Northern India in the 14th and 15th centuries.
26. The Bahmani Kingdom and its succession states in Southern India.
27. The Vijayanagar Empire and its administration.
28. Interaction of Islam and Hinduism.
29. The village community and its functionaries.
30. District administration.
31. Self-government (a) in rural areas, (b) in towns and cities.
32. Provincial administration; Executive; Legislature; Finance.
33. Central Government; Executive; Legislature; Finance.
34. Military defence; communications; other functions of Central Government.
35. Nation-building departments of Provincial Governments.
36. Material development under the Crown.

*Useful Books.**For general use :—*

- Krishnaswami Iyenger : A Short History of Ancient India.
(Cooper and Co., Educational Publishers, Bombay.)
V. A. Smith : History of India.
R. C. Dutt : Ancient India.
Bhandarkar : A Peep into the Early History of India.
Garrett and Kohli : The Muhammadan Period of Indian History.

For reference :—

- V. A. Smith : Early History of India.
Rapson : Ancient India.
Havell : Aryan Rule in India.
Mojumdar : Ancient India.
Ishwari Pershad : A Short History of Muslim Rule in India.
R. K. Mukerjee : Men and Thought in Ancient India.
Yusuf Ali : The Social Condition of India.
Habib : Mahmud ; Rulers of India Series : Asoka ; Harshavardhana.

For Civics :—

- Chandarworker : New India. (O.U. Press.)
Banerji : The Indian Constitution.
Anderson : British Administration in India.
Palande : Indian Administration. (O.U. Press.)

Paper (b)—British History and Civics.

1. Roman Britain.
2. The origins of the English people.
3. The coming of Christianity and its influence on the Old English.
4. The changes wrought in England by the Norman Conquest.
5. The structure of mediæval English society : manor, fief and town.
6. Mediæval Government and administration : the King's officers and Council ; Justice and the jury system ; Magna Charta ; Parliament.
7. The rise of the national State and the conflict with France.
8. The breakdown of the mediæval system ; the Peasants' Revolt.
9. The beginnings of modern England ; the Renaissance and Reformation.
10. The Tudor despotism ; the age of Elizabeth.

11. The Stuart Kings and their parliaments; the Great Rebellion.
12. The Revolutionary Settlement of 1689 and its consequences.
13. The expansion of England during the 17th century.
14. Anglo-French rivalry in the 18th century.
15. The end of the Old Colonial System.
16. Politics under George I and II: Whigs and Tories; Cabinet Government.
17. George III and "the King's Friends".
18. Social and economic changes in the 18th century; the industrial and agrarian revolution.
19. Relations with Ireland to 1800.
20. England: the French Revolution and Napoleon.
21. Industrial England in the 19th century; growth of capital and factories; rise of the "working class"; Factory Acts; Trade Unions; Poor Laws; Free Trade; social legislation.
22. Political democracy; the Reform Acts from 1832 to 1928.
23. Development of national education.
24. The second British Empire: the Durham Report; the Dominions.
25. Gladstone and Disraeli.
26. Ireland from the Act of Union to the Free State.
27. British foreign policy in the 19th century; the origins of the World War.
28. The peace settlement and the League of Nations.
29. The meaning and duties of citizenship.
30. The citizen and the city; the administration of local Government; municipal services; education; the maintenance of order.
31. The citizen and the State; the making and administration of law; defence; State services—the Post Office, Public Health and Welfare, *e.g.*, Insurance and Pensions; the meaning of money—currency and credit.
32. The King and his Ministers; Parliament; the Budget.
33. The British Commonwealth of Nations.

Useful Books.

- R. S. Rait: A General Survey of British History. (Nelson.)
 D. C. Somervell: British History.
 Salzmann: A Survey of English History.
 Fennimore: Social Life in England. (Black.)
 Bradshaw: Social History of England. (University Tutorial Press.)
 Keatinge and Frazer: History of England for Schools. (Black.)
 Higham: History of the British Empire. (Longmans.)

- Trevelyan : History of England. (Longmans.)
 D. G. E. Hall : A Brief Survey of English Constitutional History. (Harrap.)
 Higham : The Good Citizen. (Longmans.)
 Fisher : The Common Weal. (Oxford.)

GEOGRAPHY.

For 1934 and 1935.

The following syllabus is prescribed :—

Paper I. (a) Regional Geography with intensive study of India and Europe in relation to—

- (1) configuration together with the leading facts of the distribution of soils and minerals of economic importance,
- (2) the relation of wind and rainfall to configuration, and the resulting local climates,
- (3) river systems,
- (4) influence of the foregoing on the animal and vegetable life of the region and as affording facilities for agricultural activities,
- (5) sources of mechanical power,
- (6) distribution of population as related to the foregoing physical factors, and as influencing labour supply,
- (7) the localisation of industries as determined by all the foregoing factors,
- (8) transport, trade centres and trade routes. Exports and imports,
- (9) principal political divisions,
- (10) causes of the growth of towns, especially in the prescribed region.

(b) *General Geography.*

Form of the Earth. Distribution of Land and Water.

Broad structural features of the Continents, and the chief processes by which such features are produced.

Oceanic and Air Circulation.

Climate—temperature, pressure, humidity. Types of climate. The monsoons.

Wind system and distribution of rainfall.

Paper II :—

(a) Map projections. Mercator's Equal-Area, Orthographic and Conic. Their advantages for different geographical purposes, and their more obvious defects.

Conventional signs in Cartography. The chief signs generally employed, and a detailed study of a selected Survey of India

sheet $\left(\text{Scale } \frac{1}{1,000,000} \right)$.

Map drawing to show acquaintance with the signs given above; also with isotherms and isobars. Interpretation of Weather Charts.

Graphs to show temperature, pressure and rainfall, and diagrammatical representation of statistics of production.

(b) *Economic Geography.*

Distribution of man, plants and animals.

The chief centres of production of the following commodities :—

- (1) coal, iron, copper, tin, mineral oil, artificial manures ;
- (2) wheat, rice, maize, sugar, tea, cotton, flax, jute, timber and its products, rubber, tobacco, oilseeds, spices, one or two typical mediterranean fruits, *e.g.*, oranges, olives, grapes ;
- (3) meat, fish, wool, hides and skins, silk, furs.

The occurrence of these products in the several localities of production to be accounted for on geographical grounds.

The chief markets of the above products.

Chief means of transport and their respective advantages and disadvantages.

Manufacturing centres. The more obvious reasons for the localisation of industry. Chief markets for the finished products.

Interpretation and explanation of the more important Trade Statistics.

The following books are recommended :—

General and Regional Geography—Unstead and Taylor.

A New Geography of the Indian Empire—Morrison.

World Series : The World Studies (Dent and Co.)—Piggot and Finch.

Man and His Markets—Lyde.

Atlas of Economic Geography—Bartholomew (Oxford University Press).

PHYSICS : 1934 AND 1935.

The syllabi for the written and practical examinations shall be the same as in the Science Faculty.

CHEMISTRY : 1934 AND 1935.

The syllabi for the written and practical examinations shall be the same as laid down for the F.Sc. Chemistry—comprising both inorganic and organic Chemistry.

BIOLOGY : 1934 AND 1935.

The syllabi for the written and practical examinations shall be the same as in the Science Faculty.

GEOLOGY : 1934 AND 1935.

The syllabi for the written and practical examinations shall be the same as in the Science Faculty.

SANSKRIT.

For 1934.

Paper (a).—"Kāvya-Ratnāvali", by Lakshman Sarup (published by the Panjab University). Price Rs. 2. (Can be had from the Mufid-i-Am Press, Lahore.)

Grammar.

Note.—Under Grammar special questions should be set to test the candidate's knowledge of Classical Sanskrit Grammar.

Paper (b)—1. Sakuntalā.

2. Translation from English into Sanskrit.

For 1935.

Paper (a)—As for 1934.

Paper (b)—1. Mala Vikagnimitra.

2. Translation from English into Sanskrit.

ARABIC : 1934 AND 1935.

1. The Intermediate Course (Arabic) (1928 Edition).

2. Grammar according to the following syllabus :—

(1) Abwab. (2) Awamil. (3) Talilat. (4) Al-Munsarif wa Ghair-ul-Munsarif. (5) Al-Marfuat, Al-Mansubat, wa Al-Majrurat.

HEBREW : 1934 AND 1935.

Paper A.—(*Poetry*) :

Psalms, 1 to 41.

Recommended for study—"The Psalms", Vol. I, by Dr. Davidson, in the Century Bible (Jack).

Paper B.—(Prose) :

I Samuel.

Recommended for study—"Samuel" by Dr. Kennedy, in the Century Bible (Jack).

S. R. Driver's "Notes on Samuel" (Clar. Press).

Grammar recommended :—

"Introductory Hebrew Grammar" by Dr. A. B. Davidson (T. and T. Clark).

Lexicon—"Hebrew and English Lexicon of the Old Testament"—Brown, Driver and Briggs (published by Riverside Press, Cambridge).

GREEK : 1934 AND 1935.

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|--------------|----|----|----------------------|
| 1. Herodotus | .. | .. | Book I. |
| 2. Homer | .. | .. | Iliad, Books III-VI. |
| 3. Euripides | .. | .. | Hippolytus Crowned. |

LATIN : 1934 AND 1935.

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|-----------|----|----|-------------------------|
| 1. Livy | .. | .. | Book V. |
| 2. Cicero | .. | .. | Pro Milone. |
| 3. Virgil | .. | .. | Æneid (Books I and II). |

PERSIAN.

For 1934 and 1935.

1. Sabad-i-Gul (published by the University of the Panjab). Price Rs. 2-12-0. Candidates are not expected to study biographies of little known poets in connection with the selections from the Tuhfatal-Habib.
2. Ahsan al-Qawā'id. (Not to be treated as a text-book.)

FRENCH.

For 1934 and 1935.

1. Les Oberie by Rene Bazin—edited by I. H. B. Spiers, published by D. C. Heath and Co.
2. A Second Book of French Poetry—First III Parts—edited by R. L. Graeme Ritchie, published by Thomas Nelson and Son, Ltd.
3. Colloquial French for the English (Daniel Jones).

GERMAN : 1934 AND 1935.

1. Buchheim Balladen and Romanzen
(Macmillan's Foreign
School Classics).
2. Lessing Nathan der Weise (edited by
Buchheim, Clarendon Press).
3. Goethe Aus Meinem Leben, Wahrheit-
und Dichtung, Part I.

PHILOSOPHY.

For 1934.

PAPER A.

LOGIC (DEDUCTION).

1. Definition, Scope and Use of Logic. The place of Logic among the Sciences. Logical standpoint compared with the standpoints of Psychology and Grammar. The Laws of Thought.

2. Terms and their Distinctions. Denotation and Connotation of Terms. Predicables. Definition. The Process of Division. Logical Division distinguished from Physical and Metaphysical Division. Division by Dichotomy.

3. Judgments and Propositions. The Classification of Propositions. Distribution of Terms in a Proposition. Reduction of Statements to the Logical Form. Import of a Proposition—The Attributive, the Predicative and the Class-Inclusion views. Diagrammatic representation of Propositions.

4. The nature of Inference. Immediate inferences—Opposition, Conversion, Obversion, Contraposition and Inversion.

5. The Structure of the Syllogism. Rules of Syllogistic Reasoning. Figures and Moods. Determination of Valid Moods. Special rules of the Figures and proof of these rules. Characteristics of the various Figures. Reduction—Direct and Indirect. Hypothetical and Disjunctive Syllogisms. The Dilemma, Enthymemes, Sorites and Epicheiremas.

6. Fallacies of Deductive Reasoning.

LOGIC (INDUCTION).

1. Definition, Scope and Use of Induction. Observation, Testimony and Experiment. Regulative Principles for Observation and Experiment.

Advantages of Experiment over Observation. Classification and Nomenclature. Generalisation.

2. Perfect and Imperfect Induction. Imperfect Inductions. Simple Enumeration. Analogy. The Assumptions of Scientific

Induction. Uniformity of Nature. The Law of Causation. Different Theories of the Nature of Cause. Causes and Conditions. Plurality of Causes. Intermixture of Effects. Discovery and Proof as the object of Induction.

3. The Inductive Methods. Their Value and Functions. The Nature of Hypothesis. Conditions of Validity of an Hypothesis. The Deductive Method of Investigation. Empirical Generalisations and Laws of Nature. Explanations and its various forms.

4. Fallacies of Induction.

PAPER B.—PSYCHOLOGY.

An elementary course designed to introduce the student to the general problems of Psychology and to its more important branches.

The following syllabus indicates the range of topics, of which an elementary knowledge will be expected : -

1. *General*.—Data, Mind, Consciousness, Behaviour.
Methods—Introspection, Observation, Experiment.
The Branches of Psychology. Its practical applications.
Relation of Psychology with the other Sciences.
2. *Mind and Body*.—Elementary discussion of the Central Nervous System, and the Mind-Body relation.
3. *Attention*.—Kinds of Attention; Conditions of Attention; Bodily Attitude in Attention.
4. *Analysis or Mental Phenomena*.—Cognition, Affection, Conation.
5. *Sensation*.—The Sense Organs; Classification of Sensations; General Attributes of Sensations; More detailed study of Visual Sensations, with experimental demonstration when possible.
6. *Perception*.—Sensation and Perception; Elementary discussion of the Perception of space and time. Apperception. Illusions. Hallucinations.
7. *Movement and Action*.—Impulse; Reflex movement; Instinctive action. Habit. The chief human instincts; modification of instincts; conflict between instincts.
8. *Imitation, Suggestion and Sympathy*.—Social applications of Psychology.
9. *Affection and Feeling*.—Kinds of Feeling; relation of Feeling to Cognition and Conation.
10. *Emotion*.—Nature of Emotion; relation to Instincts; bodily expression. Moods and Sentiments. Repression and control of Emotions.

11. *Habit and Learning*.—The nature of Habit ; formation and fixation of habits. Kinds of habits. The un-learning of habits. Learning ; effect of repetition ; methods of learning and study. The curve of learning.
12. *Images and Ideas*.—Percepts and Images ; types of Imagery ; the Laws of Association.
13. *Memory*.—Retention ; recognition ; recollection. Memory types. The training of memory.
14. *Thought and Language*.—Images and Ideas. Judgment ; reasoning ; belief. Relation of thought and language ; origin and development of language.
15. *Voluntary Action*.—Deliberation and choice. Attention and volition.
16. *Personality*.—Its psychological basis and development.
17. *Abnormalities of Mental Life*.—Sleep ; dreams ; hypnosis ; insanity.

Book prescribed : Titchner :—A Beginners' Psychology (Macmillan, 1929, Rs. 4-7-6).

Note.—Attention is called to the useful exercises at the end of each chapter in the prescribed book.

Supplementary material may be obtained by the teacher from the following books, which, however, are not to be treated as text-books :—

Stout and Thouless :—Groundwork of Psychology (University Tutorial Press).

Hunter :—General Psychology (Part I) (University of Chicago Press).

For 1935.

Paper A.—The same as for 1934.

Paper B.—*Substitute* Titchner's Primer of Psychology in place of the Beginner's Psychology.

The rest as for 1934.

ECONOMICS.

For 1934.

Special stress will be laid on the following :—

Indian Village, Municipal and District Administration, Public Works.

SYLLABUS.

PAPER A.—CONSUMPTION AND PRODUCTION.

The subject-matter of Economics. Departments of Economics and the relations between them.

CONSUMPTION.

Meaning of consumption, Wants, Utility, Demand. The inter-relations between demands. Joint demand.

Total utility, Marginal utility, The law of diminishing utility.

Elasticity of demand, The law of demand price.

Value, Goods, Wealth, Necessaries, Comforts and Luxuries.

PRODUCTION.

Meaning of production. Agents of production and their efficiency.

The physical basis of production. Effect of climate and rainfall upon production. The main features of Indian Geography. The mountains and great rivers of India. Indo Gangetic plain and the Deccan. The different kinds of soils. The monsoons and the harvests. Means of communication and transportation. The principal agricultural and mineral products of India. General knowledge of the trade and products of the leading countries of the world (chiefly United Kingdom, Germany and Japan).

Density and distribution of population in India. Health and strength of the population. Occupations of the people.

The division of labour. How it led to the rise of markets.

"The division of labour is limited by the extent of the market." The extension of the boundaries of a market made possible by the development of means of communication and transportation. The great modern markets for commodities in universal demand.

The development of economic life : hunting and fishing ; the pastoral stage ; agriculture ; handicrafts ; capitalistic production.

What is capital ? The function of capital in the modern system of production.

The use of machinery in production : its advantages and disadvantages. The industrial transition in India. India's cottage industries and power industries. General account of the development of Indian manufacturing industries during the last fifty years.

Manufacture and the law of increasing returns, Limitations of large scale production.

Agriculture and the law of diminishing returns. How to counteract the law of diminishing returns. Improvements in the methods of cultivation. The work of Government departments of Agriculture. Development of irrigation as a factor bearing on production in India. The Punjab Canal Colonies.

Famines. Development of Government's famine policy.
Famine protection and famine relief.
Indian Village and District Administration.

PAPER B.—EXCHANGE AND DISTRIBUTION.

Competition. Market Price. Demand and supply schedule and curves. Price in long and short periods.

International trade. Why goods are exported and imported. Advantages of foreign trade. A general view of India's exports and imports. The direction of trade.

Mechanism of exchange. Money. Difficulties of barter and emergency of money. Coinage. The value of money.

Banking.—The function and value of banks. Hoarding an economic evil. Banking facilities in India. Development of co-operative credit in India and its advantages.

DISTRIBUTION.

The four shares in distribution.

Interest. Why capital is saved. The demand for capital. How the rate of interest is determined.

Rent. The idea of economic rent, and how it arises. Elementary treatment of Indian land revenue. Peasant proprietorship in the Punjab.

Profits. The nature and constituent elements of profits.

Wages. The influence of supply and demand in the determination of wages. Real and nominal wages. Wages and the standard of living. Wages in relation to the efficiency of the labour.

The rise in industrial wages in India. Rural wages.

Hours of labour in India and the chief features of the Indian factory legislation.

TAXATION.

Sources of revenue. The sources of Central and Provincial revenues in India. Direct and indirect taxes.

Municipal Administration and Public Works.

Papers A and B as outlined in the Syllabus will each carry 75 marks.

Books recommended :—

Moreland—Economics for the Indian Student.

Anderson—British Administration in India : Chaps. V, VI, X, XI, XIV, XV.

Silverman—Groundwork of Economics (Pitman).

The attention of teachers is drawn to the following books :—

- Lyde—Man and His Markets.
 Douie—The Panjab.
 Gadgil—Industrial Evolution of India.
 Morison—Economic Transition in India.
 Chisholm—A Smaller Commercial Geography.
 Morison—A New Geography of the Indian Empire.

For 1935.

Delete Anderson—British Administration in India, and
substitute Indian Administration by Mr. R. Pallande.
 The rest as for 1934.

URDU (FOR GIRLS ONLY) : 1934 AND 1935.

1. Tūfān-i-Hayāt by Rāshid-al-Khairī.
2. Manāzīr-i-Qudrat, Part I only (3rd Edition), by Ilyās Barnī (Usmāniya University, Hyderabad, Deccan). To be had of Sh. Mubarik Ali, Inside Lohari Gate, Lahore.
3. Ibn-ul-waqt by Mawlawī Nazir Ahmad.
4. Intikhāb-i-Madāmīn-i-Sir Syed.
5. Muqaddima She'r-wa-Shā'iri by Hali.

URDU (FOR EUROPEAN CANDIDATES OR INDIAN STUDENTS
 IN LAWRENCE COLLEGE, GHORAGALI).

For 1934 and 1935.

- (a) *Poetry*.—Manāzīr-i-Qudrat, Part I (3rd Edition), by Ilyās Barnī (Usmāniya University, Hyderabad, Deccan). To be had of Sh. Mubarik Ali, Inside Lohari Gate, Lahore.

The following poems only :—

9 to 18, 21, 24, 27 to 29, 31, 37, 39, 42, 44, 49,
 50, 55, 60, 62, 65 to 70, 72, 73, 78, 83, 85, 87, 91,
 94, 97, 98, 100, 103, 105 to 110.

Urdu Grammar.—As in St. Clair-Tisdall's *Hindustani Conversation Grammar*.

- (b) *Prose*.—*Khawāb-o-Khayāl.

* Edited with notes by Lt.-Col. D. C. Phillott, Baptist Mission Press, Calcutta, 1911.

HINDI (FOR GIRLS AND FOR EUROPEAN CANDIDATES OR INDIAN
STUDENTS IN LAWRENCE COLLEGE, GHORAGALI).

For 1934.

Paper (a)—1. Ayodhya Kanda Ramayana edited by Pt. Chandra Hansa Sharma, Ratriasrama, Agra.

2. Translation from English into Hindi.

3. Grammar—

Note.—Questions on Grammar should not be set from any particular Grammar or text-book on Grammar. They should rather be general and such as arise from the prescribed text-books and elicit thought from the candidates.

Chapters I, II and III of Navinachandrodaya are recommended for study.

Paper (b) —

1. “Galpa Samuchchaya” compiled by Prem Chand (Sarasvati Press, Benares). Price Rs. 2-8-0.

2. “Hindi Prose Selections” by Ganga Prasada, Indian Press, Allahabad.

3. Free Composition.

For 1935.

Paper (a)—Add “Mudraraksasa” by Haris Chandra.

The rest as for 1934.

Paper (b)—The same as for 1934.

PANJABI (FOR GIRLS AND FOR EUROPEAN CANDIDATES OR
INDIAN STUDENTS IN LAWRENCE COLLEGE, GHORAGALI).

For 1934 and 1935.

(a) *Poetry*—

1. Asa-di-war.

2. Waran Bhai Gurdas, first 10 only.

3. Shalok Farid.

4. Lehran de Har, by Bhai Vir Singh.

(b) *Prose*—

1. “Sikh Itihas”, Part I, by Max Macauliff and Sujan Singh, published by Phulwari Agency, Amritsar.

2. “Satwant Kaur”, Parts I and II, by Wazir-i-Hind Press, Amritsar.

BENGALI (FOR GIRLS).

For 1934.

The following Courses of Reading are recommended :—

1. Meghanad Bodha Kavya, Canto IV.
2. "Bisarjan", by Sir Rabindra Nath Tagore.
3. Jatak, Vol. I (Nos. 1 to 25 and Introduction), by Ishar Chandra Ghosh.
4. Life of Madhu Sudan Datt (abridged edition), by Jogindra Nath Basu.

For 1935.

- (i) Books Nos. 1, 2 and 4—the same as for 1934.
- (ii) *In place of* No. 3 "Jatak, Vol. I, by Ishar Chandra Ghosh" *read* (3) "Himalaya Paribhraman" by Ratnamala Devi.

PASHTO (FOR GIRLS): 1934 AND 1935.

The following Courses of Reading are recommended :—

1. Kimyā-i-Saādat.
2. Fawā'id-i-Shari'at.
3. Jannāt al-Firdaws.

URDU (OPTIONAL): 1934 AND 1935.

The following books are suggested as models of style for the part (a) of the paper :—

1. Khayālāstan, by M. Sajjad Hyder.
2. Urdū-i-Mu'allā.
3. Intikhab-i-Maḍāmīn Sir Syed (Aligarh, 1920).

This part will contain only an Essay,

Part (b); The candidates are expected to be acquainted generally with the literary activities of Dhawq and to have particularly studied Diwān-i-Dhawq (Qasā'id and Ghazliyat).

HINDI (OPTIONAL).

For 1934.

The following book is suggested as containing models of style or Essay, part (a) of the paper :—

"Galpa Samuchchaya" compiled by Prem Chand (Saraswati Press, Benares). Price Rs. 2-8-0.

In part (b) of the paper, candidates will be asked general questions on modern Hindi literature, and will be expected to have read :—

Mudrā-Rāksasa of Hariś-Chandra.

For 1935.

Part (a) : Add “Galpamanjari” compiled by Sudarshana (Punjab Sanskrit Pushtakalaya, Said Mittha Bazar, Lahore).

The rest as for 1934.

Part (b) : Substitute “Pratapa-pratijna” by Jagan Natha Prasada (Hindi Bhavana, Anarkali, Lahore). Price Annas 11, *for Mudrā-Rāksasa of Hariś-Chandra,*

and

Add “Adhunika Padyavali” compiled by Kalidasa Kapur (Visva Sahitya Granthamala, MacLagan Road, Lahore). Price Re. 1.

PANJABI (OPTIONAL).

For 1934 and 1935.

The following books are suggested as models of style for Essay, part (a) of the paper :—

- (i) “Khule Lekh”, by Puran Singh. Publishers : Uttar Chand Kapur and Sons.
- (ii) “Ranjit Singh” by Prem Singh of Hoti Mardan.
- (iii) Satwant Kaur, Parts I and II, by Wazir Hind Press, Amritsar.

Part (b) of the paper will consist of general questions on Panjabi poetry. The following books are suggested :—

- (i) Bharatari Hari Jiwan Niti Shatak by B. Vir Singh,
- (ii) “Shamu Shah” by I. C. Nanda,

BENGALI (OPTIONAL).

For 1934,

For part (a) Essay, the following books are suggested as models of style :—

- (i) “Charit Katha” by Ramendra Sundar Trivedi.
- (ii) “Lok Sahitya” by Rabindra Nath Tagore.

In part (b), the candidates will be asked general questions on the novels of Sarat Chandra Chatterjee and Rabindra Nath Tagore and will be expected to have read the following books :—

- (i) " Bindoor Chhele " by Sarat Chandra Chatterjee.
- (ii) " Naukadubi " by Rabindra Nath Tagore.

For 1935.

Part (a) : The same as for 1934.

Part (b) : *In place of* " Naukadubi " by Rabindra Nath Tagore
substitute " Galpaguchha, Part I " by Rabindra Nath Tagore.
The rest as for 1934.

PASHTO (OPTIONAL) : 1934 AND 1935.

Books recommended as models of style for the Essay, part (a) of the paper :—

1. Qissa Musa Khan Wa Gul Makki.
2. Araish Mahfil.
3. Saif al-Muluk.

In part (b) of the paper, candidates will be asked general questions on Pashto Poetry and will be expected to have read the following books :—

1. Qissa Fatch Khan.
2. Qissa Jan-i-Alam.
3. Qissa Shahzada Qaimr-al-Zaman.

*FRENCH (OPTIONAL) : 1934 AND 1935.

1. Tartarin de Tarascon by Alphonse Daudet (edited by G. Ho Siepmann, Macmillan, or any good edition).
2. Le Gendre De Monsiour Poirier by Emile Augier et Jules Sandeau.

* The distribution of marks shall be as below :— *Marks.*

(i) Translation from French Verse into English		
Prose both seen and unseen	8	
(ii) Translation from French Prose into English		
Prose both seen and unseen	12	
(iii) Translation from English Prose into French ..	20	
(iv) Elementary Composition	10	
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	50	
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3. *La Vendetta* by Balzac—Siepmann's French Series for Rapid Reading, published by Macmillan and Co.
4. *A Second Book of French Poetry—First III Parts*—edited by R. L. Graeme Ritchie, published by Thomas Nelson and Son, Ltd.

GERMAN (OPTIONAL): 1934 AND 1935.

1. Lessing—*Minna Von Barnhelm*.
2. Heine—*Die Harzreise*.
3. Uhland—*Ballads and Romances*, edited by G. E. Fasnach. Macmillan.
4. Freytag—*Die Journalisten*, published by Pitt Press.

MILITARY SCIENCE (OPTIONAL).

For U.T.C. candidates.

For 1934 and 1935.

SUBJECT.	REFERENCE BOOKS.
1. Squad and Platoon Drill	Infantry Training, Volume I, 1932, Chapters IV, V and VI.
2. Bayonet Training	Small Arms Training, Volume I, 1931, Chapter IV, Lessons 1 and 2.
3. Handling a section in the Field in Attack, Defence and Protection.	Infantry Training, Volume I, 1932, Chapter IX. I.T., Volume II, 1931, Chapter II, Section 13. Chapter III, Section 25. Chapter IV and Section, Leading 1928. Re-print 1931.
4. Knowledge of Battalion Standing Orders.	Battalion Standing Orders.
5. (a) Care and Mechanism of the Rifle.	S.A.T., Volume I, 1931, Chapter III, Sections 16 to 22.
(b) Firing	S.A.T., Volume I, 1931, Chapter III, Sections 28 to 33.

*For A.F. (I.) Candidates.**For 1934 and 1935.*

SUBJECT.	REFERENCE BOOKS.
1. Squad Platoon and Company Drill.	Infantry Training, Volume I, 1932, Chapters IV, VI and VII.
2. Bayonet Training ..	Small Arms Training, Volume I, 1931, Chapter IV, Lessons 1, 2 and 3.
3. Handling a section in the Field in "Attack", "Defence" and "Protection".	I.T., Volume I, 1932, Chapter IX. I.T., Volume I, 1931, Chapter II, Section 13. Chapter III, Section 25. Chapter IV and Section Leading 1928. Reprint 1931.
4. Stripping and Assembling Lewis Gun.	S.A.T., Volume II, Sections 6 and 7.
5. Military Hygiene ..	Army Manual of Sanitation, 1926. Reprinted 1928, Chapters IV, V, VII and Appendix III.

**Courses of Reading for the B.A. Examination of
1934 and 1935.**

Arts Faculty.

ENGLISH : FOR 1934 AND 1935.

*For 1934.**Poetry :—*

Shakespeare— { Richard II.
 { A Midsummer Night's Dream.

A Recession of English Poetry (*omitting* the first 89 pages) by
E. Dickinson (Uttar Chand Kapur and Sons). Price
Rs. 3-0-0.

Prose :—

David Copperfield by Dickens (Everyman's Library). Price 2s.
Modern English Essays by Mrs. Barnes (Rai Sahib M. Gulab
Singh and Sons). Price Re. 1-12-0.
English Prose of our Time (Nelson). Price 1s, 6d.

Strife by John Galsworthy (William Duckworth). Price 2s. 6d.

**Short Stories of To-day* (Harrap) (*omitting* the first story). Price 2s. 6d.

For 1935.

Poetry :—

Shakespeare—{ *Hamlet.*
 A Midsummer Night's Dream.

A Recession of English Poetry (*omitting* the first 89 pages) by E. Dickinson (Uttar Chand Kapur and Sons). Price Rs. 3-0-0.

Prose :—

Pendennis by Thackeray (Everyman or Collins).

Modern English Essays by Mrs. Barnes (R.S. Munshi Gulab Singh and Sons). Price Re. 1-12-0.

English Prose of our Time (Nelson). Price 1s. 6d.

One Act Plays of To-day, First Series (Harrap).

**Short Stories of To-day* (Harrap) (*omitting* the first story). Price 2s. 6d.

HISTORY.

For 1934.

Paper (a) : History of India, 1526-1919.

India under the Mughals :

1. Condition of India in the 16th century ; advent of Europeans.
2. Rise of Mongol power in Asia ; the Mughal invasion of India.
3. Establishment of the Mughal Empire : Baber, Humayun and Sher Shah Suri.
4. Akbar : his policy, conquests and administration.
5. India under Jahangir and Shah Jahan.
6. Aurangzeb : struggle for succession ; wars, policy and administration.
7. The Rise of Sivaji and the Maratha power.
8. Civilisation and culture of Mughal India.

Disintegration of the Mughal Empire ; rise of independent powers :

9. Expansion of Maratha power in India, 1719-1761.
10. The Maratha system of administration.

* The 1928 and 1929 editions are identical except the first story which is not prescribed.

11. Establishment of independent States in Bengal, Bihar and Oudh.
12. Rise of the Nizam and his struggle with the Marathas.
13. Anglo-French rivalry in southern India: Clive and Dupleix.
14. Origins of British power in Bengal.
15. Afghan invasions: Nadir Shah and Ahmad Shah Abdali.
16. Rise of the Sikh power in the Punjab.

Establishment of the East India Company as Paramount Power in India, 1761-1858 :

17. Overthrow of the Maratha Confederacy.
18. Growth of British power in southern India.
19. Extension of British dominion in northern India.
20. The kingdom of Ranjit Singh and its downfall.
21. Anglo-Afghan relations: the First Afghan War.
22. Government of India Acts: 1773-1858.
23. Administrative system of the East India Company: its evolution; Charter Acts.
24. Land revenue system and judicial administration.
25. Political relations with Indian States.
26. Beginnings of English education.
27. Religious and social movements.
28. The Mutiny: causes and results.

India under the British Crown :

29. The administrative system: India Office; Governor-General and Council.
30. Foreign relations: Persia, Afghanistan, Burma and Tibet.
31. Policy regarding frontier tribes and their territory.
32. The Paramount power and the Indian States.
33. Financial administration.
34. Legislative development.
35. Evolution of Provincial Governments; development of local self-government.
36. Material development.
37. Development of educational policy; growth of the press.
38. Social and religious movements.
39. Growth of political consciousness in India.
40. The political and administrative system of India to-day.

Useful Books.

For general use :

- History of India by V. A. Smith.
 Ishwari Pershad: A Short History of Muslim Rule in India.
 Elphinstone: History of India (relevant portions).
 Garrett and Edwards: Mughal Rule in India (Part II).

Sir J. N. Sarkar : Mughal Administration.
 Ranade : The Rise of the Marathas.
 Roberts : Historical Geography of British India.
 Lyall : The Rise of British Dominion in India.
 Ilbert : Historical Introduction to the Government of India.
 Sardesai : Main Currents of Maratha History.

For reference :

Cambridge History of India.
 V. A. Smith : Akbar ; Beni Pershad : Jahangir ; Sarkar :
 Aurangzeb.
 Rulers of India Series : Biographical Sketches.
 R. C. Dutt : Economic History of Early British Rule in India.
 R. C. Dutt : India in the Victorian Age.
 Ramsay Muir : The Making of British India.
 Speeches and Documents on Indian Policy, edited by
 A. B. Keith.
 Banerjee : The Indian Constitution.
 Palande : Indian Administration.
 Gadgil : The Economic Evolution of India.

Paper (b) : British History.

1. The legacy of Rome in Britain.
2. The origin and composition of the English people.
3. The Norman Conquest and its effects in England.
4. The feudal and manorial systems.
5. Mediæval English town life ; the Gilds.
6. The origin and growth of the judicial system.
7. Magna Charta.
8. Mediæval government and administration : the Council ;
 Parliament ; finance ; land system.
9. Anglo-French relations from the Norman Conquest till the
 Tudors.
10. Decline of the mediæval system : decadence of manor-
 ialism ; peasant revolts ; enclosure of land ; rise of a new
 administrative class.
11. The Renaissance and the Reformation in England.
12. Rise of nationalism ; the Tudor despotism.
13. Economic and financial changes under the Stuarts ;
 decline in money values : new economic thought and
 policy—Mercantilism.
14. Constitutional conflicts of the 17th century.
15. Colonial expansion of England ; development of the Old
 Colonial System.
16. The Hanoverian succession : its political and constitu-
 tional importance.
17. The origin of Great Britain ; union with Scotland.

18. Development of the Cabinet ; the Party System in the 18th century.
19. Social conditions in town and country in the 18th century.
20. Trade and war in the 18th century.
21. The ascendancy of the Whigs and their policy.
22. George III : an attempt at personal rule.
23. Parliamentary reform before 1832.
24. The end of the Old Colonial System ; American independence ; India.
25. England, the French Revolution and Napoleon.
26. Anglo-Irish relations until 1800.
27. The industrial and agrarian revolution ; application of new inventions ; growth of capitalism and the factory system ; the condition of workers.
28. The foreign policy of Pitt, Castlereagh, Canning and Palmerston.
29. A century of parliamentary reform from 1832 to 1928.
30. A new economic policy : origin and extension of Free Trade.
31. Great Britain and the Eastern Question, 1820-1878.
32. The new British Empire, from 1783 to 1867 ; the Durham Report and its sequel.
33. Great Britain and India to 1858.
34. Liberalism and Conservatism ; the policy of Gladstone and of Disraeli.
35. The Irish Question from 1800 to 1922.
36. British foreign policy, 1878-1914 : " splendid isolation " ; alliances.
37. Social advances of the 19th century : Trade Unions ; Factory Acts ; education ; the new democracy ; the rise of the Labour Party.
38. The British Commonwealth of Nations and its dependencies, 1867-1914.
39. The World War : origins ; peace settlement ; the League of Nations.

Useful Books.

Introductory :

- Keating and Frazer : History of England for Schools. (Black.)
 Pollard : History of England. (Home University Library.)
 R. S. Rait : British History. (Nelson.)

For general use :

- Mowat : History of Great Britain. (O.U. Press.)
 Trevelyan : History of England. (Longmans.)
 J. A. Williamson : The Evolution of England. (C.U. Press.)
 C. M. Waters : Short Economic History of England. (O.U. Press.)

For reference :

- Fletcher : Introductory History of England.
 Ramsay Muir : British History. (Philip.)
 Egerton : The Origin and Growth of Greater Britain. (O.U. Press.)
 Bell's Special Periods of British History.
 "The Teaching of History" Series, ed. Buchan. (Nelson.)
 Source-book of British History, ed. J. Turrill. (O.U. Press.)
 Muir : New School Atlas of Universal History. (Philip.)

Or,

Paper (b) : History of Europe and U.S.A., 1500–1919.

1. The nature of the Renaissance : the beginning of Modern Europe.
2. Political and social condition of Europe at the beginning of the 16th century.
3. The contest of France and the Empire in Italy.
4. Growth of scientific curiosity ; exploration and discovery.
5. The Protestant Reformation, the Catholic Reformation and wars of religion.
6. The expansion of Europe : the Portuguese and Spanish Empires.
7. Rise of England and Holland as colonial powers.
8. France under Louis XIV.
9. The rise of modern Russia and Prussia.
10. The contest for empire : decline of Spain and Portugal ; the struggle between England, Holland and France for supremacy.
11. Victory of England ; the loss of American colonies ; the New Empire.
12. The Age of Reason : origins of the French Revolution.
13. The French Revolution.
14. Europe and Napoleon.
15. The settlement of 1815.
16. The Age of Metternich.
17. The Eastern Question ; (a) before 1815 ; (b) 1815–1919.
18. The industrial revolution in Europe.
19. Progress of nationalism : unification of Germany and Italy.
20. Revolution and reaction in France, 1815–1875.
21. The socialist movement in Europe.
22. Development of the U.S.A. since 1783.
23. The new imperialism : Partition of Africa.
24. Diplomatic revolution of 19th century ; Triple Alliance and Triple Entente.
25. Rise of Japan as a World Power.
26. Russia, 1815–1917.
27. Origins of the World War ; the peace settlement ; the League of Nations.

*Useful Books.**Introductory :*

R. H. Davies : An Outline History of the World, Chapters XXIII-XXXII. (Oxford.)

Mowat : The European States System. (O.U. Press.)

Williamson : Europe Overseas. (O.U. Press.)

For general use :

Reddaway : Modern European History.

Mowat : Europe and the Modern World. (O.U. Press.)

Robinson : Mediæval and Modern Times, from Chapter XIII. (Ginn and Co.)

H. Webster : Mediæval and Modern History, from Chapter XIII. (Heath.)

Bell's Special Periods of European History.

Ramsay Muir : The Expansion of Europe.

Caldwell : History of America.

For reference :

Abbott : The Expansion of Europe.

Grant : History of Europe : 1494 1610. (Methuen.)

Clark : The Seventeenth Century. (O.U. Press.)

Mowat : Europe, 1715-1815. (Arnold.)

Marriott : Europe, 1815-1923. (Methuen.)

Grant and Temperley : Europe in the 19th Century.

Robinson's Readings in European History, Vol. II. (Ginn.)

Select Documents in European History, edited by Laffan. (Methuen.)

Philip's Historical Atlas, Mediæval and Modern.

Or,

Paper (b) : General Outlines of Islamic History.

1. The Orthodox Caliphate (A.H. 11 to 41). No text-book recommended.
2. The Caliphate : Its rise, decline and fall, by Sir William Muir, Chapters 44 to the end.
3. The Kharijites under the First Omayyads by Brünnow. (Calcutta University Press.)

Recommended : The Oxford Atlas—Maps 77-80.

For 1935.

The distribution of the subject would be as under :—

Paper (a)—

- (i) History of India, 1526-1707 ;

or

Islamic History.

(ii) History of India, 1707–1919.

Paper (b)—

British History ;

or

History of Europe and U.S.A., 1500–1919.

The question of syllabus and distribution of marks is under consideration.

ECONOMICS.

For 1934.

I.—THEORY OF ECONOMICS.

Nature and Scope of Economics. Economic laws. Methods.

Economic Organisation ; general structure and evolution of modern industry and commerce. Broad features of methods of production, transport and marketing. Large scale production. Joint Stock Companies.

Production. Agents of production, their importance in the evolution of society. Capital, its meaning and functions. Labour, causes affecting its efficiency. Specialised labour and use of machinery. Land and other natural agents of production.

Laws of production ; laws of increasing and decreasing returns.

Markets ; produce-exchanges ; dealings in “ futures ”, speculation and its effects.

Demand ; general study of and general view of consumption. Law of diminishing utility. Variation in the intensity of demand ; influences affecting demand.

Exchange. Relation of production and exchange. General theory of Value. Study of value during long and short periods. Concept of normal value. Value under monopoly conditions. Brief view of the more important theories of value.

Money, Credit and Prices. Broad facts as to the evolution of money. Definition of money. The functions of money. The Quantity Theory of money. Money as the standard of deferred payments. Gresham's Law.

The evolution of credit ; instruments of credit ; inflation and deflation. The functions of Banks ; the principal types of Banks. Bank notes and inconvertible paper money. Systems of money.

Measurement of changes in the purchasing power of money. Stock exchange ; position and function of, in advanced industrial economy ; Legitimate and illegitimate speculation.

Crises, their causes and nature.

International Trade. General theory of international values. Free Trade and protection. Policy of State bounties and subsi-

dies to industries. International aspects of credit and currency. Foreign exchanges; equation of international indebtedness.

Distribution: general theory of. The nature of interest and profits, the theory of wages and rent.

Labour problems; the hours of labour. Trade unions; methods of industrial peace.

Laissez-faire and State Regulation of Industry: the Factory Acts, Insurance schemes, etc. Socialism, its meaning and criticism.

Public Finance. Public Expenditure. Sources of public revenue. General principles of taxation. Kinds of taxes.

In the study of topics in the above Syllabus, special attention should be paid wherever possible to conditions in India both for the purposes of illustration and application.

Paper I.—Books recommended in connection with the syllabus:—

Ely—*Outlines of Economics*, as revised and enlarged by Ely, Adams, Lorenz and Young. (Macmillan.)

Chapman—*Outlines of Political Economy*. (Longmans.)

Henry Clay—*Economics for the General Reader*. (Macmillan.)

Marshall—*Economics of Industry*. (Macmillan.)

The following books in addition may be consulted for selected topics:—

Gide—*Political Economy* (translated by Archibald).

Robertson—*Money*. (O.U.P.)

Paper II.—Application of Economic Principles to Indian Topics;

Study of economic conditions of India relating to Agriculture including Forests and Irrigation; Industries; Communications; Commerce and Trade. Currency, Finance and Banking. Taxation, Revenues and Home Payments.

Famine and plans of famine relief. Co-operative Credit. Prices and Wages. Systems of Land Tenure. Fiscal Policy.

Books recommended for reference:—

The Indian Gazetteer, Vols. III and IV.

Kale—*Indian Economics*. (Aryabhushan Press.)

Anstey—*The Economic Development of India*.

Morison—*Economic Transition in India*. (John Murray.)

- Banerjea—A Study in Indian Economics. (Macmillan.)
 Government of India's Resolution of 1902 on Indian Revenue Policy.
 Gadgil—The Industrial Evolution of India in Recent Times. (Milford.)
 Darling—The Punjab Peasant in Prosperity and Debt (Oxford University Press), Chapters I, VIII, IX, X, XI, XII, XIII.
 Brij Narain—Indian Economic Life. (Kapur.)
 Jathar and Beri—Indian Economics, 2 vols. (O.U.P.)
 Chahlani—Indian Currency, Banking and Exchange.
 Report presented to Parliament by the Government of India, latest volume
 Report of Royal Commission on Indian Currency and Finance, 1926.

For 1935.

Paper I.—Delete —

“Marshall—Economics of Industry (Macmillan).”
 Add Thomas—Element of Economics.
 The rest as for 1934.

Paper II.—Delete :—

1. The Indian Gazetteer, Vols. III and IV.
2. Morison—Economic Transition in India. (John Murray.)
3. Banerjea—A Study in Indian Economics. (Macmillan.)
4. Government of India's Resolution of 1902 on Indian Revenue Policy.

Put Jathar and Beri—Indian Economics, 2 Vols. (O.U.P.)
on the top.

The rest as for 1934.

MATHEMATICS : 1934 AND 1935.

*A. COURSE OF MATHEMATICS.

For 1934 and 1935.

(a) *Statics—*

Parallelogram and Triangle of Forces. Resultant of parallel forces. Couples. Moments. Equilibrium, conditions of equilibrium of any coplanar forces acting on a particle or rigid body. Centre of parallel forces. Centre of gravity. Friction. Simple cases of tension of strings. Hooke's Law.

* *Note.*—Any proofs, analytical or geometrical, will be accepted.

(b) Dynamics—

Definition and measurement of mass, force, velocity, acceleration, momentum, work and energy. Laws of motion. Uniform motion. Uniformly accelerated motion—(1) in a straight line, (2) in a parabola. Motion in a circle. Simple cases of impact. Simple harmonic motion. Simple pendulum. Units and dimensions.

(c) Differential Calculus—

Definition of differential coefficient. Differentiation of function of a single variable. Successive differentiation. Rolle's Theorem and Mean Value Theorem. Taylor's and Maclaurin's theorems and their simpler applications. Evaluation of functions which assume an indeterminate form. Differentiation of implicit functions. Partial differentiation. Maxima and minima values of functions of one variable. Tangents, normals, asymptotes, curvature, double points. Tracing of curves. Envelopes and Evolutes.

(d) Integral Calculus—

Integration of simple functions of a single variable. Integration of rational fractions. Integration by formulæ of reduction. Determination of lengths and areas of curves. Volumes of Solids of Revolution.

*B. COURSE OF MATHEMATICS.

For 1934.

(a) Trigonometry—

De Moivre's Theorem. Hyperbolic and inverse functions. Expression of trigonometrical functions as infinite products. Factors of Binomial Expressions.

(b) Analytical Geometry—

Rectangular and polar co-ordinates. Transformation of co-ordinates. The straight line. The circle. The parabola. The ellipse. The hyperbola. The general equation of the second degree. Geometry of three dimensions—equations of line and plane. Simpler properties of spheres. Equations of Cylinder and Cone of the second degree.

(c) Theory of Equations—

Relations between the roots and coefficients of an Equation. Easy Transformation. Cardan's Solution of Cubics. Descartes'

* *Note.*—Any proofs, analytical or geometrical, will be accepted.

Solution of a Biquadratic. Newton's Methods of Divisors and Horner's Rule.

(d) Algebra—

Development and elementary properties of determinants and their applications to the solution of linear equations. Simple tests of convergency of Series. Partial Fractions.

(e) Differential Equations—

Formation of a differential equation. Equations of the first order, and the first degree. Standard forms for equations of the first order. Clairaut's equation. Linear equations with constant coefficients. Homogeneous Linear Equations. Applications to Geometry and Mechanics.

For 1935.

Under (a) Trigonometry, replace "Trigonometric functions" by $\sin \theta$ and $\cos \theta$.

The rest as for 1934.

PHILOSOPHY : 1934 AND 1935.

Pass :—

I. Ethics : one paper.

II. Psychology : one paper.

I and II Syllabuses. Books suggested for reading.

For 1934 and 1935.

I.—ETHICS.

1. The Problem, Scope and Method of Ethics, Relation of Ethics to Psychology, Sociology, Metaphysics and Religion.

2. Psychological basis of Ethics. Psychological Analysis and Ethical Significance of Character, Conduct, Will, Desire, Motive, Intention and Habit.

The Evolution of conduct. Transition from Customary to Reflective morality. A general comparison of Customary morality and Reflective morality.

The Ethical significance of Naturalistic accounts of conduct. The Fallacies of Naturalism.

Ethical significance of Indeterminism, Determinism and Self-determinism. Fatalism.

3. Judgments. Appreciative and Descriptive Judgments. The Nature of Moral Judgments.

4. Critical Analysis of the chief theories of the Moral Standard. The Standard as Law. The Law of the Tribe. The Law

of God. The Law of Nature. The Moral Sense. The Law of Conscience. Intuitionism. The Law of Reason. The Doctrine of Kant. Hypothetical and Categorical Laws.

The Standard as Pleasure. The Varieties of Hedonism. Psychological Hedonism. Ethical Hedonism—Egoistic and Universalistic. Evolutionary Hedonism.

The Standard as Perfection. Spencer's View of Ethics. The Views of other Evolutionists. Natural Selection in Morals. Metaphysical. Moralists. Green's view of Ethics. The True Self. General Character of Eudæmonism.

Emergent Evolution and Morals.

The Standard as Value. Ethical Value. Intrinsic and Extrinsic value. Comparison of values. Problems of Plurality of intrinsically good things and intrinsically bad things. Higher and Lower Goods—Complete Good and Moral Good.

5. The Concept of Duty or Moral Obligation. Duties or Right Actions. The Problem of Determination of Duties. The Significance of the Distinction of Duties into Individual and Social. Rules of Conduct. Casuistry. The Fundamental unity of Moral Conduct. Fallacies of Egoism, Hedonistic and Non-hedonistic. Altruism. The Ethics of Cardinal Virtues—Individual and Society. The Nature and Presuppositions of Virtue. Theories of Punishment.

6. The Ideal. The Ideal as simple and as complex. The Ideal as Pleasure, Wisdom, Love, realisation of individual Personality and social health. The Ideal as an organic whole of intrinsically Valuable Parts. The Nature of such a whole. The method of estimating the Value of a good whole.

Moral Progress.

7. The Relation of the different theories to Practice.

Books prescribed :—

1. A Manual of Ethics by Mackenzie, sixth edition.
2. Ethics by Dewey and Tufts, with special reference to section 2 of the syllabus.

II.—PSYCHOLOGY.

I. The scope, subject-matter and methods of Psychology.

Relation of Psychology with Philosophy and the other Sciences. Practical applications of Psychology.

II. The structure and functions of the Nervous System.

The reflex arc and the conditioned reflex. The Hypotheses of Parallelism and Interactionism. Mechanistic and Purposive schools of Psychology.

III. The Psychological Individual. Mind, Consciousness, Behaviour. The concept of the unconscious. Mental structure

and mental content. Primary and secondary Dispositions. The concept of instincts in animal and in human Psychology.

Instinct and intelligence. Methods of measurement of intelligence.

IV. The Plasticity of Mental Life. The concept of mental development. Memory and learning. Different memory types. Economy of learning.

Learning in man and in animals. Habit.

V. The relation of feeling to activity. Emotion. The relation of instinct with emotion. Emotion and its organic accompaniments. The James Lange theory of emotion.

VI. Sensation. Sensation, sense organ, stimulus. General characteristics of sensations. Muscular, cutaneous, and organic sensation. Visual and Auditory sensations.

VII. Attention. Selectivity of attention and conditions determining selection. Span of attention. Kinds of attention.

VIII. Perception and attention. Perception of figures and groups. Perception of space, change and movement. Illusions.

IX. Imagination. The image and the percept. The play of imagination.

Day-dreams. Dreams. Imagination as creative.

X. Conception. Ideas. The Laws of association of ideas.

Free and controlled association. Trains of Ideas. Formation of concepts. The relation of thought with language.

Reasoning. Belief. Formation of beliefs. Belief and activity.

XI. Personality. The development of Personality and of the consciousness of self. Social factors in the consciousness of self. The will and the sentiments. Integration and disintegration of personality.

Books recommended :—

Woodworth's Psychology, A Study of Mental Life, 8th edition. (Methuen.) Rs. 6-6-0.

Stout—A Manual of Psychology, 4th edition. (University Tutorial Press.) Rs. 8-10-0.

PHYSICS : 1934 AND 1935.

The syllabi for the written and practical examinations shall be the same as in the Science Faculty.

CHEMISTRY : 1934 AND 1935.

The syllabi for the written and practical examinations shall be the same as in the Science Faculty.

ZOOLOGY : 1934 AND 1935.

The syllabi for the written and practical examinations shall be the same as in the Science Faculty.

BOTANY : 1934 AND 1935.

The syllabi for the written and practical examinations shall be the same as in the Science Faculty.

GEOLOGY : 1934 AND 1935.

The syllabi for the written and practical examinations shall be the same as in the Science Faculty.

SANSKRIT.

For 1934.

- Paper (a)*—1. Uttaraṛāma Charita.
2. Megha Dūta of Kālidāsa.
3. Grammar.

Note.—Under Grammar, special questions should be set to test the candidate's knowledge of classical Sanskrit Grammar.

- Paper (b)*—1. Translation from English into Sanskrit.
2. Keith : Classical Sanskrit Literature (Association Press, 5, Russell Street, Calcutta).
3. Gadyapushpānjali, by M. K. Sircar, published by the Panjab University. Price Rs. 3. (Can be had from Mufid-i-'Am Press, Lahore.)

For 1935.

- Paper (a)*—*Substitute* "Kirātārjuniya, Cantos I and II" for "Megha Dūta of Kālidāsa".

The rest as for 1934.

- Paper (b)*—The same as for 1934.

ARABIC : 1934 AND 1935.

1. Simt al-Durar (published by the University of the Panjab).
2. Grammar as per Syllabus :—
 - (1) Khawāṣ-ul-Abwāb.
 - (2) Al-Mudhakkar wal-Mua'nnath.
 - (3) Al-Jam-'ul-Mukassar.
 - (4) At-Tawābi'.
 - (5) Al-Mabniyyāt.

PERSIAN.

For 1934 and 1935.

1. *Gulshan-i-Ma'āni* (published by the University of the Panjab). Price Rs. 2-12-0.
2. *Levy's Persian Literature* (Oxford University Press, 1923).

HEBREW : 1934 AND 1935.

Paper A.—(Poetry)—

- | | | |
|--------------------------------|--|---------------------|
| (i) <i>Psalms</i> , 42 to 150. | \| | (iii) <i>Joel</i> . |
| (ii) <i>Amos</i>. | \| | (iv) <i>Nahum</i> . |

Recommended (especially the Introductions) :—

- “*Psalms*”, Vol. I, by Davison, and } in the Century
 “*Psalms*”, Vol. II, by Dr. Wilson Davies } Bible (Jack).
 “*The Minor Prophets*” by Canon Driver, in the Century Bible.

Paper B.—(Prose)—

- | | | |
|----------------------|--|-------------------|
| I <i>Kings</i> , and | \| | II <i>Kings</i> . |
|----------------------|--|-------------------|

Recommended (especially the Introductions) :—

“*I and II Kings*” by Dr. Skinner, in the Century Bible (Jack).

N.B.—Some knowledge of the subject-matter and of the historical criticism of the texts prescribed will be required, such as is covered by the Introductions and Notes in the Commentaries recommended, and in Dr. C. H. H. Wright's “*Introduction to the Old Testament*”.

Grammars recommended :—

Gesenius' *Kanttsch*, Hebrew Grammar, translated by Cosby (Clarendon Press).

“*Introduction to Biblical Hebrew*”—Dr. Kennedy (William and Norgate). “*Introductory Hebrew Grammar*”—Dr. Davidson (published by T. and T. Clark).

Lexicon :—

“*A Hebrew and English Lexicon*”—Brown, Driver and Briggs (Clarendon Press, Oxford).

Candidates may also consult the volumes on *Psalms* and the *Minor Prophets* in the “*International Critical Commentary*” (T. and T. Clark).

GREEK : 1934 AND 1935.

- | | | | |
|----|--------------|----|-------------|
| 1. | Thucydides | .. | Book I. |
| 2. | Demosthenes | .. | De Corona. |
| 3. | Sophocles .. | .. | Ajax. |
| 4. | Æschylus .. | .. | Prometheus. |

LATIN : 1934 AND 1935.

- | | | | |
|----|---------|----|--|
| 1. | Tacitus | .. | Germania. |
| 2. | Cicero | .. | Pro Archia and Pro Milone. |
| 3. | Virgil | .. | Georgics, Book I and II. |
| 4. | Horace | .. | Odes, Books I and II, and Art Poetica. |
| 5. | Terence | .. | Phormio. |

FRENCH.

For 1934 and 1935.

- | | | | | |
|------|-----|----------------|----|---|
| Pass | (a) | Corneille | .. | Le Cid. |
| | | Beaumarchais | .. | Le Barbier de Seville. |
| | | Becque | .. | Les Corbeaux. |
| | | Paul Hervieu | .. | La Course du Flambeau. |
| | | W. H. Hudson | .. | A Short History of French Literature (published by G. Bell and Sons, Ltd., London). |
| | (b) | Anatole France | .. | Monsieur Bergeret a Paris. |
| | | E. Moffett | .. | Lectures Historiques (Harrap), price 2s. 3d. (Oxford University Press). |

ASTRONOMY. OPTICS AND SPHERICAL TRIGONOMETRY.

For 1934.

Astronomy.—The Celestial Sphere, Definitions, Systems of Co-ordinates. Astronomical Instruments, the Telescope. Time keepers and Chronograph, the Transit Instrument and Accessories, the Meridian Circle and Reading Microscope, the Altitude and Azimuth Instrument, the Equatorial Instrument and Micrometers, the Sextant. Corrections to Astronomical Observations. Phenomena depending on change of position on the Earth. Dip of the Horizon. Figure of the Earth, the Sun's apparent motion in the Ecliptic, the Seasons, the Earth's orbit round the Sun. The Mean Sun and Equation of Time. The Sundial. Units of Time. The Calendar. Comparison of Mean and Sidereal Times. Atmospheric refraction and twilight. Finding the latitude of a place by observation. Finding the

Local Time by observation. Determination of the Meridian Line. Finding the longitude by Observation and by Telegraph. Captain Sumner's Method. The Moon's parallax. The Moon's Distance and Dimensions. Synodic and Sidereal Months. The Moon's phases, its physical conditions. The Moon's Orbit and Rotation. The Harvest Moon. The Moon's Librations.

General Description of Eclipses. The Solar and Lunar Ecliptic limits, Determination of the frequency of Eclipses, occultations—Places at which a solar eclipse is visible. General outlines of the Solar System. Synodic and Sidereal Periods. Description of the motion in Elongation of planets as seen from the Earth. Phases of the Planets. Kepler's laws of Planetary motion. Motion relative to Stars. Stationary points, Axial Rotations of Sun and Planets. The Sun, its Distance and Dimensions, Mass and Density. Solar Eye-pieces and Study of the Sun's Surface, General views as to Constitution. Sun Spots, their appearance, Nature, Distribution and Periodicity. The Spectroscope, Chemical elements present in the Sun. The Sun-spot, Spectrum. Doppler's Principle, the Chromosphere and Prominences, the Corona, The Sun's Light and Heat.

The determination of Sun's Parallax by observations of a Superior Planet at opposition. Transit of Inferior Planets. Annual parallax. Distances of the Fixed Stars, the aberration of Light. Precession and Nutation.

The Light of the Stars, Star Magnitudes and Photometry, Variable Stars, Stellar Spectra, Double and Multiple Stars, Clusters, Nebulae, the Milky Way and Distribution of Stars in space, Statement of the Nebular and Planetesimal Hypothesis.

Optics.—Laws of Reflection and Refraction. Reflection and Refraction of Direct Pencils. Reflection at two or more Plane Surfaces. Refraction of direct pencils through Prisms, Plates and Lenses. Images and simple optical Instrument. Astronomical Telescope. Dispersion and Achromatism.

Spherical Trigonometry.—Spherical Triangles. Spherical Geometry. Relations between the trigonometrical functions of the sides and angles of a spherical triangle. Solution of Right-angled Triangles.

The following books are recommended for study :—

- (i) Barlow and Bryan's Mathematical Astronomy.
- (ii) Geometrical Optics by W. S. Aldis.
- (iii) Spherical Trigonometry by Todhunter and Leatham.
- (iv) Elements of Astronomy by Fath.

The following Practical Course is prescribed for the Pass B.A. Examination :—

1. The use of the Transit Instrument and the Equatorial and the determination of their errors.

2. The use of the Nautical Almanac.
3. Conversion of time.
4. Determination of latitude.
5. Theory and method of reduction of Photographic Star plates ; determination of the star places from photographic plates.
6. Identification of principal stars and constellations.

For 1935.

From the Practical Course *delete* " 5. Theory and method of reduction of Photographic Star plates ; determination of the star places from photographic plates " *and alter* " 6 " into " 5 ".
The rest as for 1934.

POLITICAL SCIENCE.

For 1934.

The following books are suggested for *Paper (a)* :—

1. T. Raleigh : Introduction to Politics.
2. Jenks : The State and the Nation.
3. Leacock : Elements of Political Science.
4. Woodrow Wilson : The State (first 6 chapters).

Paper (b)—

The Constitutions of the following countries are recommended for special study :—

1. United Kingdom.
2. U.S.A.
3. France.
4. Australia.
5. India.

The following books are recommended :—

1. Amos : The English Constitution.
2. Woodrow Wilson : Congressional Governments.
3. Poincare : How France is governed.
4. K. R. Cramp : The State and Federal Constitution of Australia.
5. Bannerjee : The Indian Constitution.

For 1935.

Paper (a)—*Delete* Jenks : The State and the Nation.
The rest as for 1934.

Paper (b)—*Delete* Woodrow Wilson : Congressional Governments.
Add Monro : Government of the United States.
The rest as for 1934.

HINDI (OPTIONAL).

For 1934.

“Nibandharatnāvalī”, compiled by Rama Chandra Varmā (Sāhityaratnamālā Kāryālaya, Benares), price Rs. 2 (unbound), is recommended for the purposes of the Essay part (a) of the paper.

In part (b) of the paper candidates will be asked general questions on Hindi Literature and will be expected to have read the following books :—

1. “Vajrāghāta” by Hari Nārāyana Apte, translated by Lakshmī Dhara Vājapey Pratāpa-Pustakālaya, Cawnpore. Price Rs. 2-8-0.
2. “Navina-Padya-Manjūsā”, Hindi Bhavana, Hospital Road, Anarkali, Lahore. Price Re. 1-8-0.
3. “Navaratna”, Hindi Bhavana, Lahore. Price Annas 12.

For 1935.

In part (b), for No. 1, substitute “Chatra Sāla” by Bāla Chand Nānak Chand Shah Vakil, translated by Rāma Chandra Vermā. Hindi Granth-Ratnākara-Kāryālaya, Hirābāgh, Bombay. Price Re. 1-12-0.

The rest as for 1934.

PANJABI (OPTIONAL).

For 1934.

The paper will consist of :—

- (a) An essay.....25 marks.

The following books are suggested as models of style and language :—

1. “Jiwan of Maharaja Alla Singh” by Bhai Karam Singh.
2. Kalghi Dhar Chamtakar (Wazir-i-Hind Press, Amritsar).

- (b) Critical questions on Panjabi Poetry, 25 marks.

The following books are suggested :—

1. *Kafian Bullah Shah, edited by Mohan Singh, published by the University of the Panjab. Price Re. 1-8-0.
2. Vir Singh as in Matak Hulare and Lehran De Har—Wazir-i-Hind Press.

* Can be had from the Mufid-i-'Am Press, Lahore.

For 1935.

1. *Omit "Jiwan of".*
2. Vir Singh as in Rana Surat Singh and Matak Hulare.
Rest as for 1934.

URDU (OPTIONAL).

For 1934 and 1935.

Part (a) of the paper.—

An essay in Urdu on a subject connected with the Urdu Literature or Language.

Part (b). The candidates are expected to be acquainted with the literary activities in Urdu of Ghālib and to have particularly studied Diwān-i-Ghālib.

MILITARY SCIENCE (OPTIONAL).

For U.T.C. candidates.

For 1934 and 1935.

Practical.

SUBJECT.	REFERENCE BOOKS.
1. Platoon Drill ..	I.T., Vol. I, 1932, Chapter VI.
2. Small Arms Training ..	S.A.T., Vol. I, 1931, Chapters II and III.
3. Range Duties ..	S.A.T., Vol. IV, 1931, Chapters I and II.
4. Bayonet Training ..	S.A.T., Vol. I, 1931, Chapter IV, Lessons 1 and 2.

Written Paper.

1. A Working Knowledge of the Platoon in Attack, Defence and Protection.	I.T., Vol. I, 1931, Chapter II, Sections 12, 13 and 17. Chapter III, Sections 19, 20, 24, 25 and 28. Chapter IV.
2. A Working Knowledge of Battalion Standing Orders.	Battalion Standing Orders.
3. Small Arms Training ..	S.A.T., Vol. I, 1931, Chapters II and III.
4. Platoon Drill ..	I.T., Vol. I, 1932, Chapter VI and Plate XIX.

*For A.F. (I.) candidates.**For 1934 and 1935.**Practical.*

SUBJECT.	REFERENCE BOOKS.
1. Platoon Drill ..	I.T., Vol. I, 1932, Chapter VI.
2. Small Arms Training ..	S.A.T., Vol. I, 1931. Chapters 11 and III.
3. Range Duties ..	S.A.T., Vol. IV, 1931, Chapter II.
4. Bayonet Training ..	S.A.T., Vol. I, 1931, Chapter IV, Lessons 1 and 2.
5. Lewis Gun ..	S.A.T., Vol. II, 1931, Chapter I.

Written Paper.

1. A Working Knowledge of the Platoon in Attack, Defence and Protection.	I.T., Vol. II, 1931, Chapter II, Sections 12, 13 and 17. Chapter III, Sections 19, 20, 24 and 25. Chapter IV.
2. A Working Knowledge of Battalion Standing Orders.	Battalion Standing Orders.
3. Small Arms Training ..	S.A.T., Vol. I, 1931, Chapters II and III.
4. Platoon Drill ..	I.T., Vol. I, 1932, Chapter VI and Plate XIX.
5. Military Hygiene in Camp and Barracks with a knowledge of Water Duties.	Army Manual of Sanitation, 1926. Reprint 1928.

HONOURS PAPERS.

ENGLISH.

For 1934.

Paper I.—George Eliot, with special reference to Adam Bede, Romola and Middlemarch.

The following books of criticism are suggested for study :—

A Survey of English Literature (1830–1880) by Elton.
 The Literature of the Victorian Era by Hugh Walker.
 George Eliot (Englishmen of Letters) by Sir Leslie Stephen.

Paper II.—The Romantic Movement, with special reference to Coleridge.

The following books are recommended for study :—

Coleridge (Englishmen of Letters Series) and Essays on Coleridge by Peter in Appreciations, Oliver Elton in A Survey of English Literature (1780–1832) and in Cambridge History of English Literature.

Paper III.—

(a) History of English Literature.

Broad Features of the History of Literature from Chaucer to Swinburne, with special reference to the following authors :—

Swift, Addison, Burke, Carlyle, Ruskin, Fielding, Scott, Jane Austen, Dickens, Meredith, Marlowe, Ben Jonson, Sheridan, Milton, Wordsworth, Keats, Dryden, Swinburne.

The following books are recommended for study :—

A Short History of English Literature by Saintsbury.

English Novel by Priestley.

Modern Literature by Mair.

The Elizabethan Age by J. M. Robertson.

(b) Literary Criticism.

The following are recommended for study :—

Introduction to the Study of Literature by Hudson.

Training in Literary Appreciation—Pritchard (Harraps).

The Study of Poetry by Entwistle (Nelson).

The Study of Literature by Soares (Macmillan).

For 1935.

Papers I and II.—The same as for 1934.

Paper III.—(i) *Substitute* "A History of English Literature by Strong" *in place of* "A History of English Literature by Saintsbury".

Substitute "Modern Literature by Wyatt and Clay" *in place of* "Modern Literature by Mair".

(ii) *Add Books and Readers* by Pritchard.

The rest as for 1934.

MATHEMATICS.

For 1934 and 1935.

Paper I.—

(a) *Statics*.—Resultant of Forces, Couples, Moments, Conditions of Equilibrium of coplanar. Forces acting on a particle or on a rigid body. Centre of parallel forces. Centre of gravity of arcs, of curves, plane areas, surfaces and solids of revolution. Virtual work.

Friction. Hooke's Law. Application of the methods of Geometry and Calculus.

Books suggested :—

Elementary Treatise on Statics by Loney.

Statics by Greaves.

Statics by Dobbs.

(b) *Dynamics*.—Laws of Motion. Uniformly accelerated motion in a straight line, in a parabola and in a circle. Impact. Simple Harmonic motion. Planetary motion. Units and Dimensions. Moments of Inertia. Pendulum, simple and compound.

Books suggested :—

An Elementary Treatise on Dynamics by Loney.

(c) *Hydrostatics*.—Fluid Pressure. Thrust on a plane area or on any surface. Equilibrium of Floating Bodies. Specific Gravity. Boyle's Law and Charles' Law. Centre of Pressure. Application of methods of Calculus.

Books suggested :—

Greaves' Hydrostatics and Beasant's Elementary Hydrostatics.

Paper II.—

(a) *Pure Geometry*.—Properties of triangles. Segment formulæ. Euler's Theorem, Stewart's Theorem, Menelaus's and Ceva's Theorems. Cross ratio and harmonic ranges and pencils. Harmonic properties of a circle and Chasle's Theorem $P(ABCD)=\text{Const.}$ Coaxal circles. Circle of Similitude. Inversion. Orthogonal Projection. Poles and Polars.

Books suggested :—

A sequel to Elementary Geometry by Russel and Modern Geometry by Godfrey and Sidden.

(b) (i) *Analytical Plane Geometry*.—Conics given by General Equation of the 2nd degree in xy . Tangent, polar, asymptotes.

Conjugate points and conjugate lines. Diameters of a conic. Pair of tangents from a pt. Director circles. Eccentricity, foci, axes, centre of a conic. Normals. Conics through four fixed pts. Centre locus of such conics. Diagonal triangle of a quadrangle self-polar for circum conics. Conics touching four given lines. Centre locus of such conics. Diagonal triangle of a quadrilateral self-polar for inconics. Parabola touching the axes. Confocal conics. Circle of curvature.

(ii) *Trilinear Co-ordinates*.—Distance between two points and area of a triangle. Straight lines. The line at infinity. Conics given by the General Equation of the 2nd degree. Conditions for a circle, a parabola and a rectangular hyperbola. Tangents. Polars and asymptotes. Circum conic, self-polar conic and inconic of the triangle of the reference. Circles connected with a triangle. Conics through four fixed pts. Conics touching four fixed lines. Conics referred to a self-conjugate triangle.

Books suggested :—

Smith and Askwith.

(c) *Solid Geometry*.—Rectangular co ordinates. Plane. Straight line. Surfaces of the Second Degree with the centre at the origin. Tangent. Polar. Conjugate. Diametral and principal planes of the general conicoid and its special forms like the cone and the paraboloid. Enveloping cones and cylinder. Axes and areas of plane sections of conicoids with centre at the origin as in the first five chapters of Smith.

Books suggested :—

Bell and Smith.

Paper III.—

(i) *Differential Equations*.—VIII, IX and X chapters, *omitting* integration in series as in Murray's *Differential Equations*.

(ii) *Elementary Analysis* as in Hardy, Chapters I-VI, *omitting* articles 101-109.

(iii) *Essays on the subject-matter of papers I and II.*

ECONOMICS.

For 1934.

Paper I.—Outstanding facts and features of Indian Currency, Finance and Fiscal Policy.

Books recommended :—

Shirras—*Science of Public Finance*. (Macmillan.)

Report of the Fiscal Commission, 1922.

The following Reports on Currency :—

- Herschell Committee, 1893.
- Fowler Committee, 1898.
- Chamberlain Commission, 1914.
- Babington Smith Committee, 1919.
- Hilton Young Commission, 1926.

Paper II.—Rural Economics, with particular reference to India and the Punjab.

Books recommended :—

- Keatinge—Agricultural Progress in Western India. (Longmans, Green and Co.)
- Calvert—Wealth and Welfare of the Punjab. (Civil and Military Press.)
- Darling—The Punjab Peasant in Prosperity and Debt. (O.U.P.)
- Carver—Principles of Rural Economics, *omitting* Ch. II, Sec. III and Ch. VI.
- The following chapters from the Report of the Royal Commission on Agriculture : V, VII, X and XIV.

Paper III. —

Either,

POLITICAL SCIENCE AND INDIAN ADMINISTRATION.

Books recommended :—

- Leacock - Elements of Political Science.
- Sapre - Indian Constitution and Administration.

Or,

*THE ECONOMIC HISTORY OF INDIA FROM THE TIME OF
AKBAR TO THE PRESENT DAY.

Books recommended :—

- Brij Narain—Indian Economic Life—Past and Present, Chapters I to V inclusive.
- Moreland—From Akbar to Aurangzeb.
- Dutt—Economic History of India under the East India Company.
- Chabiani—Economic History of India during the Seventeenth Century.

* *Note.*—Questions on the pre-British period not to bulk more largely than one-third of the whole.

For 1935.

Paper I.—Delete Shirras—Science of Public Finance. (Macmillan.)

The rest as for 1934.

Paper II.—Delete :—

(1) Keatinge—Agricultural Progress in Western India. (Longmans, Green and Co.).

(2) Calvert—The Wealth and Welfare of the Punjab. (Civil and Military Press.)

The rest as for 1934.

Paper III.—Delete :—

(1) Dutt—Economic History of India under the East India Company.

(2) Chabiani—Economic History of India during the Seventeenth Century.

Add Gadgil—Industrial Evolution of India in Recent Times.

The rest as for 1934.

PHILOSOPHY.

For 1934 and 1935.

Either,

(a) General Philosophy,

or,

(b) Psychology.

(a) *General Philosophy.*

For 1934.

Paper I.—History of Modern European Philosophy from Descartes to Hegel.

Book prescribed :—

Thilly's History of Philosophy, Modern period, pages 250-477.

Paper II.—Present Tendencies in Philosophy.

An Introductory Course to the main currents of contemporary thought, including specially a discussion of :—

Post-Kantian Idealism, Pragmatism, Vitalism and New Realism.

Books recommended :—

Hocking—Types of Philosophy.
Hoernle—Matter, Mind and God.
Joad—Modern Philosophy.

Note.—The above books are not to be treated as text-books, but are only intended for general reading.

Paper III.—Special Philosopher.

The candidates will be required to have a general knowledge of the Philosophical system of the prescribed Philosopher, together with first-hand knowledge of some of his writings as specified from time to time.

For 1934 : Plato with special reference to Books V to X of the Republic.

Books recommended :—

Plato—The Republic.
Burnett—Greek Philosophy, Vol. I.
Nettleship—Lectures on the Republic.

For 1935.

Paper I.—As for 1934.

Paper II.—As for 1934.

Paper III.—Plato, etc., as for 1934,

or,

Some School of Indian Philosophy. Specific recommendations in this connection are under consideration.

(b) *Psychology.*

For 1934 and 1935.

Paper I.—History of Modern Psychology from the 17th century to the present day.

Book recommended :—

Gardner Murphy's History of Psychology, Parts I and II and the first five chapters of Part III.

Paper II.—Experimental Psychology.

An Introductory Course introducing the students to the main problems of Experimental Psychology.

Books recommended :—

Collins and Drever's Experimental Psychology, Vol. I.
Myer's Introduction to Experimental Psychology.

Paper III.—Practical Examination.

Topics for Experimental study in the Laboratory :—

1. Stereoscopic Vision.
2. Colour Zones of Retina.
3. The Colour Pyramid ; Colour Mixture.
4. The Mullar-Lyer Illusion (Method of mean error).
5. Spatial Threshold ; Method of Limits ; Serial Groups ; Right and Wrong Cases.
6. Simple Reaction time ; Association time.
7. Visual Acuity ; Auditory Acuity.
8. Work and Fatigue.
9. Motor Control, Tapping Test, Aiming Test.
10. The Acquisition of Skill.
11. Mental work.
12. Free Association, Classification of Associations.
13. The Span of Attention.
14. The Binet Tests of Mental Capacity.
15. Group Tests, Non-Verbal Tests.
16. Elementary Statistical Application.

Note.—Candidates shall have performed the above experiments under laboratory conditions and shall submit their laboratory note-books with dated reports of experiments duly signed by their Professor to the Examiners when they appear for the Practical Examination.

Book covering the above practical course is Collins and Drever's Laboratory Guide to Experimental Psychology.

SANSKRIT.

For 1934 and 1935.

Paper (a) Books recommended for study :—

1. Vincent Smith—Early History of India (fourth edition).
2. Keith—The Sanskrit Drama, Chapters II to VII.
3. Keith—A History of Sanskrit Literature, Chapters II to V and VII and VIII.

Paper (b) Study of Bhāsa, with special reference to Svapna-vāsavadattā and Pratijñā yaugandharāyana.

Paper (c) No books prescribed.

ARABIC.

For 1934 and 1935.

1. Further study of Literature :—

Prose -

Arabic Reading Book No. II by Dr. R. A. Nicholson.

Poetry—

Ḥamāsa, Bāb-al-Adab only.

2. History of Arabic Literature :—

(a) Pre-Islamic Poetry.

(b) The Prophet ; the Koran ; Traditions ; beginning of the Arabic Prose.

(c) The Omayyad period ; Poets of the Omayyad period ; Prose-writers of this period.

3. Translation of unseen Arabic passages into English.

PERSIAN.

For 1934.

1. Further study of Literature :—

Prose—

Humāyūn Nāmeḥ.

Poetry -

The following eight Qasidas of Qa'ānī* :—

(۱) گر تاج می نهند ازین پس بسر مرا

(۲) غم و شادیست که با بکدگر آمیخته اند

(۳) رسم عاشق نیست بایک دل دودلبر داشتن

(۴) عید است و جام زر نشان از می گرانبار آمده

(۵) بنفشه رسته از زمین بطرف جوئبارها

(۶) مگر باز بر فروخت گل از هر کنار نار

* For these see Selections from Qa'ānī (published by the Panjab University). Can be had of the Mufid-i-'Am Press, Lahore.

(۷) باد نو روزی شمیم عطو جاں می آورد

(۸) نسیم خلد می و زد مگر ز جویبارها

2. Literary History — Browne, Vol. 2 — The Seljûq period only.
3. Translation of unseen Persian passages into English. Set and free composition in Persian (*i.e.*, Translation from English into Persian and Essay in Persian).

For 1935.

Under Prose : *Substitute Bist Maqala Qazwini**, pages 24 to 54 and 85 to 105 *instead of* Humāyūn Nāmeḥ.

The rest as for 1934.

GEOLOGY AND PHYSICS.

For 1934 and 1935.

The same as for the B.Sc. Honours Papers.

HONOURS SCHOOL OF HISTORY.

Part I. For 1934 and 1935.—

- | | |
|--|------------|
| I. History of India to 1707. | } Year I. |
| II. History of Europe and U.S.A., 1500–1815. | |
| III. Principles of Economics. | |
| IV. History of India, 1707–1919. | |
| V. Constitutional History of England and the British Empire. | } Year II. |
| VI. Political Science. | |

Part II. For 1935.—

- | | |
|--|-------------|
| VII. Special study of prescribed documents. | } Year III. |
| VIII. Two of the following, of which not more than one may be chosen from subjects | |
| IX. (i) to (vi) :— | |
| (i) Ancient India. | |
| (ii) Mediæval India. | |
| (iii) India under the Mughals, with special reference to the Punjab, 1526–1707. | |
| (iv) India under Maratha ascendancy, 1707–1817. | |

* Silsila-i-Intisharat-i-Anjuman-i-Zartushtiyān-i-Irāni of Bombay Price Rs. 2-10-0.

- (v) Modern India, 1818–1919.
- (vi) Islamic History.
- (vii) British History from 1760 to 1919.
- (viii) History of Europe and U.S.A. from 1815 to 1919.
- (ix) Economic History.

DETAILED SYLLABUS.

*For 1934 and 1935.**Part I. — Course I : History of India from the beginning to 1707.*

1. The sources of early Indian history.
2. Vedic religion and culture.
3. Development of philosophic thought in ancient India.
4. Buddhism and Jainism.
5. Ancient Indian polity.
6. The Mauryan Empire and its administrative system.
7. Kushan kings and Indian culture.
8. The decay of Buddhism and the Hindu renaissance.
9. Foreign invaders and Hindu society.
10. Harshavardhana and his times.
11. India and the outside world.
12. Rise of the Rajputs.
13. Indian society, 10th–12th centuries.
14. Historical sources for study of the Muhammadan period.
15. The rise and spread of Islam.
16. Muhammadan invasion of India : early raids on Sindh ; Muhammad bin Qasim ; Mahmud of Ghazni and the Ghaznavide Empire.
17. Muslim domination of northern India : Muhammad Ghori ; the Slave Dynasty.
18. The Khilji Dynasty ; Firoz Shah ; Ala-ud-Din.
19. The Tughlaqs : their conquests ; administrative system ; condition of the people.
20. Decline of the Sultanate ; invasion of Timur ; Sayyids and Lodis ; Panipat.
21. Mediæval Hindu India : Chola and Chalukya dynasties ; southern Hindu kingdoms.
22. Muslim invasion of southern India.
23. Vijayanagar ; its power and culture ; duel with Muslims ; decline and fall.
24. The condition of India on the eve of Mughal conquest.
25. Foundation of the Mughal Empire : Babur and Humayun.
26. Sher Shah and the new Pathan experiment in government.
27. The Mughal conquest of India.
28. Mughal administration : the emperors ; military and civil services ; revenue system.

29. Religious and social reformers of Mughal India : religious policy of the emperors.
30. Relations of the Rajput States with the Mughal emperors.
31. Social and economic state of India in the 16th and 17th centuries.
32. Literature, education and the arts under the Mughals.
33. Sivaji and the welding of the Marathas.
34. Downfall of the Mughal Empire ; its legacy to India.
Sources of study.

Useful Books.

- V. A. Smith : Oxford History of India, Books I-VI.
 Cambridge History of India. (For general reference.)
 V. A. Smith : Early History of India.
 Havell : Aryan Rule in India.
 R. C. Dutt : History of Civilisation in Ancient India.
 Radhakrishnan : Hindu Philosophy (chapters on Vedic religion and philosophy).
 Elliot : Buddhism and Hinduism.
 Mojunadar : Ancient Indian History.
 Bhandarkar : Asoka ; Smith : Asoka ; Mukerjee : Harshavardhana.
 Elphinstone : History of India (edited by E. B. Cowell).
 Ishwari Pershad : History of Mediæval India or History of Muslim India.
 S. L. Poole : Mediæval India under Muhammadan Rule.
 C. V. Vaidya : Hindu Mediæval India.
 Elliot and Dowson : History of India as told by its own Historians.
 Garrett and Edwards : Mughal Rule in India.
 Sarkar : Mughal Administration.
 S. L. Poole : Babur ; V. A. Smith : Akbar ; B. Prashad : Jahangir ; Sarkar : Aurangzeb.
 Sarkar : Shivaji.
 Ranade : Rise of the Maratha Power.
 Moreland : From Akbar to Aurangzeb ; and, India at the death of Akbar.
 Rawlinson : Source Book of Maratha History, Vol. I.
 Translations of Babur Nama ; Ain-i-Akbari ; Akbarnama.
 V. A. Smith : History of Fine Art in India and Ceylon.

Part I.—Course II : History of Europe and U.S.A. from 1500 to 1815.

1. Transition from mediæval to modern Europe ; the Renaissance : its causes, phases and influence.

2. Political condition of Europe at the end of the 15th century : Italy, the Holy Roman Empire, France, Spain, Portugal, Poland, Ottoman Empire.
3. The expansion of Europe : (i) exploration and discovery.
4. Social condition of Germany on the eve of the Protestant Revolt ; Erasmus.
5. Charles V and his empire.
6. The Protestant Revolt : Luther, Calvin, Zwingli.
7. The Catholic counter-movement : Loyola.
8. Political effects of the Reformation : wars of religion in France, Netherlands and Germany.
9. The expansion of Europe : (ii) the Spanish and Portuguese empires.
10. The expansion of Europe : (iii) rise of England and Holland as colonial powers.
11. The aggrandisement of France : Mazarin and Richelieu.
12. The Age of Louis XIV in France : Colbert.
13. Origins of modern Prussia and Russia.
14. The expansion of Europe : (iv) decline of Spain and Portugal ; contest for colonial empire between England, Holland and France.
15. Intellectual and social progress of Europe in the 17th century.
16. Europe in the 18th century : (i) the despots, Frederick II, Joseph II and Catherine II.
17. Europe in the 18th century : (ii) the Age of Reason ; the Old Regime in France.
18. Europe in the 18th century : (iii) dynastic diplomacy, trade and war.
19. The expansion of Europe : (v) colonial supremacy of England ; the Old Colonial System ; American revolt ; beginnings of the New Empire.
20. Poland, 1699–1815.
21. The Ottoman Empire in Europe ; the Eastern Question before 1815.
22. The French Revolution.
23. Napoleon.
24. The beginning of the Industrial Revolution.

Useful Books.

Introductory :—

- H. J. Fleure : The Peoples of Europe. (The World's Manuals, Oxford.)
 Mowat : The European States System. (The World's Manuals, Oxford.)
 Williamson : Europe Overseas. (The World's Manuals, Oxford.)

Webster : Mediæval and Modern History, Chapters XIII-XX.
(Heath.)

Robinson : Mediæval and Modern Times, Chapters XIII-XXV. (Ginn.)

Hayes and Moon : Modern History, Parts I-III. (Macmillan.)

For general use :—

Reddaway : Modern European History.

Robinson and Beard : The Development of Modern Europe,
Vol. I. (Ginn.)

Abbott : The Expansion of Europe. (Bell.)

Mowat : Europe and Modern World, Chapters I-XIV.
(Oxford.)

Ramsay Muir : The Expansion of Europe.

Robinson : Readings in European History, Vol. II (to 1815).
(Ginn.)

Caldwell : A Short History of the American People, Vol. I.

For reference :—

Bell's Special Periods of European History, vols. by Happold,
Innes, Cameron and Higgs-Walker.

Rivington's Periods of European History, vols. by Johnson,
Wakeman, Hassall and Stephens.

Grant : History of Europe, 1494-1610. (Methuen.)

Clark : The Seventeenth Century. (Oxford.)

Mowat : Europe, 1715-1815. (Arnold.)

Mowat : A History of European Diplomacy, 1451-1789.

Mowat : The Diplomacy of Napoleon.

Bradby : The French Revolution. (Oxford.)

W. A. Phillips : Poland, Chapters I-VII. (Home Univ. Lib.)

Lives of Richelieu (Lodge), Phillip II (Hume), William the
Silent (Harrison), Frederick the Great (Reddaway), Napo-
leon (Fisher).

Reddaway : The Rise of Prussia.

Marriott : The Eastern Question.

Philip's Historical Atlas—Mediæval and Modern.

Thompson : Historical Geography of Europe, Chapters V-IX.
(Oxford.)

McIlwain : The American Revolution : a Constitutional Inter-
pretation.

Part I.—Course III : Principles of Economics.

Nature and Scope of Economics. Economic Laws. Methods.

Economic Organisation ; general structure and evolution of
modern industry and commerce. Broad features of methods of
production. Large scale production.

Production. Agents of production, their supply changing
importance in the evolution of society. Capital, its meaning

and functions. Labour, causes affecting its efficiency. Specialised labour and use of Machinery. Land and other natural agents of production. The business unit, growth of business, specialisation; the idea of normal magnitude of a business.

Laws of production; Laws of increasing and decreasing returns. Dealing in "futures", speculation and its effects.

Demand; general study of and general view of consumption. Law of diminishing utility. Variation in the intensity of demand; influences affecting demand.

Exchange. Relation of production and exchange. General theory of Value. Study of value during long and short periods. Concept of normal value. Value under monopoly conditions. Brief view of the more important theories of value. An elementary treatment of Banking and Currency as far as it is necessary to illustrate the principles of Value and Exchange.

International Trade. General theory of international values. Free Trade and protection. Policy of State bounties and subsidies to industries. Foreign exchanges; equation of international indebtedness.

Distribution; general theory of. The nature of interest and profits, the theory of wages and rent.

Socialism; general meaning, various important plans. Appreciation and criticism of.

Public Finance. Public Expenditure. Sources of public revenue. General principles of taxation. Kinds of taxes. Incidence of taxes.

In the study of topics in the above Syllabus, special attention should be paid wherever possible to conditions in India both for the purposes of illustration and application.

Books recommended :—

Marshall	..	Economics of Industry.
Eddie	..	Economics, Principles and Problems.

Or,

Clay	..	Economics for the General Reader.
Chapman	..	Outlines of Political Economy.

The following may be consulted in addition for selected topics :—

Moreland	..	Introduction to Economics for Indian Students.
Taussig	..	Principles of Economics.

Part I.—Course IV : History of India, 1707–1919.

For syllabus, see Syllabus of B.A. Pass Paper I : History of India, 1526–1919, for the year 1934 and 1935, respectively, omitting topics 1–8. Topics 9–40 of that syllabus shall be the subject of more intensive study.

*Useful Books.**Introductory :—*

- V. A. Smith : History of India, Books VII–IX.
 Roberts : Historical Geography of British India.
 Dodwell : History of India from 1858 to 1918.

For general use : -

- Lyall : The Rise of British Dominion in India.
 Ranade : The Rise of the Marathas.
 Sarkar : Sivaji.
 Kincaid and Parasnisi : History of the Maratha People.
 Dodwell : Dupleix and Clive.
 Monckton Jones : Hastings in Bengal.
 Strachey : Hastings and the Rohilla War.
 Weitzmann : Warren Hastings and Philip Francis.
 H. Furber : Henry Dundas, First Viscount Melville.
 Seton-Karr : Cornwallis.
 Aspinall : Cornwallis in Bengal.
 Roberts : Wellesley.
 Malcolm : Political History of India, 1784–1823.
 Dutt : India in the Victorian Age.
 Muir : The Making of British India.
 Warner : Life of Dalhousie.
 Smith : Life of Lord Lawrence.
 Wolf : Life of the First Marquess of Ripon.
 Ronaldshay : Life of Lord Curzon, Vol. II.
 Buchan : Lord Minto.
 Morley : Recollections.
 Frazer : India under Curzon.
 Strachey : India.
 Curzon : British Government in India.
 Ilbert : The Government of India.
 Horne : The Political System of British India.
 Lovett : History of the Indian Nationalist Movement.
 Cambridge History of India, Vol. V.
 Palande : Indian Administration.
 Lee Warner : The Native States.

Documents :—

- Reports of the Select Committee of the House of Commons,
 1772–73.
 Letters of Warren Hastings to Sir J. Macpherson, edited by
 Dodwell.
 Correspondence of Cornwallis, edited by Ross.
 The Wellesley Papers.
 Private Letters of Dalhousie, edited by Baird.
 Montagu-Chelmsford Report.
 Report of Calcutta University Commission, Vol. II.
 Report of the Simon Commission.

Part I.—Course V : Constitutional History of England and the British Empire.

1. Old English Government and justice.
2. Administrative and legislative innovations of the Norman kings.
3. The judicial system of Henry II.
4. The significance of Magna Charta.
5. The rise of Common Law.
6. Mediaeval local government.
7. Feudalism and manorialism.
8. The growth of Parliament ; the early franchise.
9. The laws of Edward I.
10. Evolution of the Curia, and its powers.
11. Development of the jury system.
12. The power of the purse : mediæval finance and parliament.
13. The Council under the Tudors.
14. Growth of judicial authority of the Council : Star Chamber, etc.
15. Development of a national Church : the Act of Supremacy.
16. Constitutional conflict under the Stuarts.
17. The Restoration of 1660 ; legislation under Charles II : Habeas Corpus.
18. "The Glorious Revolution" ; the Bill of Rights and the Act of Settlement.
19. Union of England and Scotland.
20. The rise of Cabinet Government.
21. Constitutional relations with Ireland in the 18th century.
22. The nature of sovereign power in the 18th century.
23. The regency problem.
24. Poor Laws.
25. Parliamentary reform.
26. Industrial, social and educational reform during the 19th century.
27. The improvement of justice ; the Judicature Act ; the modern system.
28. Growth of parliamentary procedure ; modern law-making.
29. Constitutional relations of the Houses of Parliament in modern times.
30. Recent financial legislation.
31. The constitution of the Old Empire.
32. The rise of the New Empire ; the Canada Acts ; the Durham Report.
33. Early Victorian colonial legislation.
34. Origin of the British Dominions : Canada, Australia, South Africa, New Zealand.
35. The British Government of India : (a) 1773-1857 ; (b) 1858-1919.

36. Constitutional relations with Ireland from 1800 to 1922.
 37. The British Commonwealth of Nations to-day.

Useful Books.

Introductory :—

- D. G. E. Hall : Brief Survey of English Constitutional History.
 (Harrap.)
 S. Low : The Governance of England.
 Dicey : The Law of the Constitution.

Essential :—

- Maitland : Constitutional History of England.
 Taswell-Langmead : Constitutional History of England. (New
 edition by Poole.)
 Jenks : The Government of the British Empire. (Murray.)
 Anson : The Law and Custom of the Constitution.

For reference :—

- Medley : Constitutional History of England.
 Carter : History of English Legal Institutions.
 G. B. Adams : The Origin of the English Constitution.
 Baldwin : The King's Council in the Middle Ages.
 Pollard : The Evolution of Parliament.
 Mellwain : The High Court of Parliament.
 H. J. Robinson : The Power of the Purse. (Murray.)
 H. D. Hall : The British Commonwealth of Nations.
 (Methuen.)
 A. B. Keith : Responsible Government in the Dominions.

Documents :—

- Adams and Stephens : Select Documents of English Constitutional History.
 Medley : Original Illustrations of English Constitutional History.
 Tanner : Tudor Constitutional Documents.
 Tanner : English Constitutional Conflicts of the 17th Century.
 C. G. Robertson : Select Cases and Documents.
 Thomas : Leading Cases in Constitutional Law.

Part I.—Course VI : Political Science.

As described in Paper IV for the M.A. Examination in History.

Note.—Detailed syllabus, etc., for Part II of the Honours School for 1935 is under consideration.

Outlines of the Tests for the Combined Honours School (Arts).

Reference may be made to pages 713 to 716 of the Panjab University Calendar (1928-29).

Courses of Reading for the M.A. Examination of 1934 and 1935.

The following are the special readings in Languages for 1934 and 1935 :—

ENGLISH.

For 1934.

Paper I.—Shakespeare, with special knowledge of *Macbeth*, *King Lear*, *Twelfth Night* and *King Henry V.*, and Marlowe's "*Faust*" and Ben Jonson's *Volpone or the Fox*.

The following books are suggested for study :—

Sir Walter Raleigh : Shakespeare (Englishmen of Letters).

Moulton : Shakespeare as a Dramatic Artist.

Bradley : Shakespearean Tragedy.

Hereford : Recent Advances in Shakespearean Criticism.

John Bailey : Shakespeare (English Heritage Series).

William Archer : Play-Making.

J. W. Mackail : The Approach to Shakespeare (Oxford University Press).

Paper II.—

Byron, Shelley and Keats, with special reference to *Prometheus Unbound*, Shelley (Golden Treasury Series), Byron (Golden Treasury Series), *Childe Harold's Pilgrimage*, Keats' Poetical Works, *omitting* his Dramas, and *Cap and Bells*.

The following books of criticism are suggested for study :—

(i) A Survey of English Literature (1780-1830) by Elton.

(ii) The Age of Wordsworth by Hereford.

(iii) The Romantic Movement by Symonds.

(iv) The Pilgrim of Eternity by Drinkwater.

(v) Byron : The Last Journey by Nicolson.

- (vi) Byron by Garrod.
- (vii) Shelley by A. Clutton-Brock.
- (viii) Ariel by Andre Maurois.
- (ix) Shelley, Godwin and Their Circle by H. N. Brailsford.
- (x) Keats by Garrod.
- (xi) Keats by Sir Sidney Colvin.
- (xii) Keats by E. deSelincourt.
- (xiii) Keats by Amy Lowell.
- (xiv) Shelley by Dowden.

Paper III.—English Literature : (Special Period) :—
Victorian Prose up to Meredith.

The following texts are recommended for study :—

- Carlyle—Sartor Resartus.
- Macaulay—Milton.
- Newman—Idea of a University.
- Huxley—Selected Essays and Addresses (Macmillan and Co.).
- Ruskin—Sesame and Lilies.
- Ruskin—The Crown of Wild Olive.

The following books are suggested as indicating the line of criticism expected :—

- Saintsbury—Nineteenth Century Literature.
- Oliver Elton—A Survey of English Literature (1830–1880).
- Hugh Walker—Victorian Age.
- Bagehot—Literary Studies.
- Sir Leslie Stephen—Hours in a Library.

Paper IV.—The Growth of the English Novel during the later part of the Nineteenth Century. Candidates will be expected to have an acquaintance with the works of Hardy, Wells and Conrad and a special knowledge of the following texts :—

- Hardy—The Mayor of Casterbridge. Tess of the D'Urbervilles.
- Wells—Kipps, Tono-Bungay.
- Conrad—Lord Jim ; The Rescue.

The following books suggest the line of criticism expected :—

- Hugh Walpole—English Novel.
- L. P. Johnson—The Art of Hardy.
- John Freeman—The Moderns.
- Hugh Walpole—Joseph Conrad (Writers of the Day Series).
- Wells—J. D. Beresford (Writers of the Day Series).
- Hardy.—L. Abercrombie (Writers of the Day Series).

Paper V.—The History of the English Language.

The following books are suggested :—

Wyld : The Growth of English (John Murray).

Bradley : The Making of English.

Greenough and Kittredge : Words and Their Ways in English Speech.

L. P. Smith : Words and Idioms (Constable and Co., 1925).

The scope of the paper on English Literature of the Nineteenth Century to be taken as an alternative to questions on Translation from English into the Vernacular and from the Vernacular into English for those candidates who are not familiar with any Vernacular is as under :—

Nineteenth Century Literature with special reference to the Pre-Raphaelites, Dickens, Thackeray, Arnold and Froude.

Paper VI.—Essay.

N.B.—(a) The subjects of papers II, III and IV will be changed from time to time (probably every two years).

Paper I will, generally speaking, remain unaltered, though slight changes in the set plays will be made from time to time.

(b) Paper V will include translation as in former years.

(c) *Examiners* shall be instructed to give alternative questions in all papers.

For 1935.

Papers I to III.—As for 1934.

Paper IV.—The Novel.

Substitute Evan Harrington and The Ordeal of Richard Feverel *in place of* Kipps and Tono-Bungay *by* Wells.

The rest as for 1934.

Paper V.—

(a) Principles of Literary Criticism 60 marks.

(b) Translation from English into Vernacular
and from Vernacular into English..... 40 marks.

Books suggested for (a) are under consideration.

The scope of the paper on English Literature of the Nineteenth Century, the same as for 1934.

Paper VI.—The same as for 1934.

SANSKRIT.

For 1934.

Paper I.—(a) Rig Veda :—

Mandala I.	35, 115, 124, 143, 154, 161.
II.	12, 27, 35, 38.
III.	33.
IV.	18, 24, 30, 33, 36, 42, 50.
V.	11, 85.
VI.	54.
VII.	33, 61, 71, 83, 88, 103.
VIII.	29, 48.
IX.	113.
X.	10, 14, 15, 18, 34, 71, 75, 90, 108, 125, 127, 129, 135, 168.

(b) Yaska Nirukta I, II and VII.

(c) Macdonell : Vedic Grammar for Students.

Paper II.—1. Mudrārāksasa.

2. Aśvaghōṣa's Saundarananda, Cantos I to X.

3. Sāhityadarpana, *omitting* Ādhyāyas IV and V.

4. Bāṇa's Harṣacharita, Chapter VI.

*Paper III.—(a) Dharmasastra and Arthasastra.*Kautilya : Arthasastra : Books I, VI, VII,
VIII, IX and XI.

Mitakshara—Vyavahara Adhyaya Dayabhaga.

General questions on the development of
Sanskrit Legal Literature.*Or,*(b) Vedāntasūtras with Sankara's Bhasya,
Ādhyaya I, Ādhyaya II, padas 1-2.

Āitareya and Taittirīya Upanishads.

General questions on the principal philosophic
systems of India.*Or,*

*(c) Palæography and Epigraphy.

1. Buhler : The Origin of the Brahmi
Alphabet, *omitting* Chapter IV.

* Three hours' paper carrying 60 marks for the theoretical portion and two hours' paper carrying 40 marks for the practical test (*Syndicate Proceedings*, dated the 5th June, 1925, paragraph 21).

2. Asoka Inscriptions on the Delhi Topra Pillar and Girnar.
3. Gupta Inscriptions (Corpus. Inscript. Ind., edited by Fleet), *omitting* Nos. 14, 17-19, 40-42, 55 and 56. Nos. 2, 13, 39, 46, 52 and 79 are to be read for subject-matter only.

Paper IV.—History of Sanskrit Literature.

The following books, not to be regarded as text-books, are recommended for study :—

- Macdonell : A History of Sanskrit Literature.
 Ghate : Lectures on R̥gveda.
 Rapson : The Cambridge History of India, Vol. I.
 Keith : Indian Drama.
 Keith : A History of Sanskrit Literature.
 Winternitz : A History of Indian Literature, Vol. I.

Paper V.—1. Translation from and into Sanskrit.

2. General principles of Comparative Philology, with illustrations from the development of the Indian Sanskritic Languages.

The following books, not to be regarded as text-books, are recommended for study :—

- Macdonell : Vedic Grammar for Students.
 Uhlenbeck : Manual of Sanskrit Phonetics.
 Woolner : Introduction to Prakrita.
 Grierson : Articles in Encyclopædia Britannica.
 Gune : Introduction to Philology.

For General Phonetics and the general principles of Comparative Philology, especially of the Indo-European family, no books are recommended.

Paper VI.—A Thesis on some subject approved by the Board of Studies in Sanskrit and Hindi.

The Thesis may take the form of an exercise in critical editing.

A candidate who fails but whose Thesis is satisfactory, may revise and present the same Thesis on re-appearing.

For 1935.

Paper I.—Same as for 1934.

Paper II.—1. *Substitute* “Mṛcchakatikā” for “Mudrā-rāksasa”.

The rest as for 1934.

Papers III-VI.—The same as for 1934.

ARABIC : 1934 AND 1935.

- Paper I.*—1. *Diwān Qais Ibn-al-Khaṭīm.* (O. Harrassowitz, Leipzig.)
 2. *Diwān Hātim.*

- Paper II.*—1. *Al-Kāmil* by Al Mubarrad (the chapter on *Khawārij* only, pp. 119-188 of the Egyptian edition).
 2. *Kitāb-al-Shi'r* (ed. DeGoeje), pp. 1-100, excluding the portions not included in the Egyptian edition.
 3. *Futūḥ-al-Buldān* by Balādhuri (ed. DeGoeje), from p. 372 to the end.
 4. *Al-'Abarāt.*

- Paper III.*—1. The Quran, *Sūra Āl-i-Imrān*, with the Commentary of Baiḍāwī.
 2. *Tajrīd Bukhārī* (i.e., *al-Tajrīd al-Ṣaḥīḥ li-Āḥādīth al-Jāmi' al-Ṣaḥīḥ*) by al-Zabīdī. The first half only.

N.B.—Questions on this paper will be more literary than theological in character.

- Paper IV.*—1. Nöldeke's Article on Semitic Languages in the *Encyclop. Britannica*, 9th edition.
 2. *Talkhīs al-Miftāḥ*, 2nd and 3rd Fans.
 3. *Muḥīt-al-Dā'irah.*

Paper V.—History of Arabic Literature.

1. Pre-Islamic Poetry.
2. The Prophet ; the Koran ; Traditions ; beginnings of the Arabic Prose.
3. The Omayyad period ; Poets of the Omayyad period ; Prose-writers of this period.
4. The Abbasid period, development of poetry, literature and Science ; Koranic Exegesis ; the Science of tradition ; Jurisprudence ; Scholastic Theology ; History ; Biography ; Philosophy ; Mysticism ; Medicine ; Lexicography ; Astronomy ; Mathematics, etc.
5. The Arabs in Europe ; The Arab Culture, Poets and Prose-writers of the period.
6. The Arabic Literature from the Mongol Invasion to the present day ; European Orientalists ; Arabic Journalism and Press.

*Paper VI.—**Either,*

1. Translation—English into Arabic.
2. Translation—Arabic into English.
3. Essay in English on a subject connected with the Arabic Literature or Language.

Or,

A Thesis on some subject approved by the Board of Studies in Arabic, Persian, etc. The Thesis may take the form of an exercise in critical editing.

A candidate who fails but whose Thesis is satisfactory may revise and present the same Thesis on re-appearing.

PERSIAN.

For 1934.

- Paper I.—*
1. Akhlāq-i-Jalāli, Lāmi' I.
 2. Chuhūr Maqāla (Gibb Memorial Edition).
 3. Abulfadl Daftars I and III.
 4. Tārīkh-i-Wassāf, volume I only (edited by Professor Mohammad Iqbal).

- Paper II.—*
1. Diwān of Nazīrī.
 2. Nizāmi : Shīrīn Khusraw.
 3. Matla'-al-Anwār.
 4. Intikhāb-i-Kulliyat-i-Khāqāni*.
 5. Rubā'iyāt Bābā Ṭāhir.
 6. Dabīr-i-'Ajam.

- Paper III.—*
1. The following Persian Plays : Ḥakīm Nabātāt, Qissa Yūsuf Shāh Sarrāj, Wazīr Khān-i-Lingrān.
 2. Hājī Bābā of Ispahān, Col. Phillott's edition. (Asiatic Society of Bengal.)
 3. Siyāhat Nāma-i-Ibrāhīm Beg, Col. Phillott's edition.
 4. Selections from Qāṣṣi (published by the Panjab University). Can be had from Rai Sahib M. Gulab Singh and Sons, Lahore.

*Paper IV.—*The following books, not to be regarded as textbooks, are suggested for study :—

1. Browne's Literary History of Persia, Vols. 1 and 2.
2. Browne's Persian Literature under the Mongols (Cambridge University Press).
3. Browne's Persian Literature in Modern Times.

* Can be had of Haji Mohd. Said and Sons, Book-sellers, No. 85, Wellesley Street, P.O. Box No. 8904, Calcutta.

Paper V.—History of Pre-Islamic Persia :—

Books recommended for study :—

1. Syke's History of Persia. Vol. 1, pages 95-502.
2. Roger's History of Ancient Persia.
3. The Shah Nāmāh of Firdausi (the Sasanian Period only).

Paper VI.—*Either*, Translation Essay :—

1. Translation, English into Persian.
2. Translation, Persian into English.
3. Essay in English on a subject connected with the Persian Literature or Language.

Or,

A Thesis on some subject approved by the Board of Studies in Arabic, Persian, etc. The Thesis may take the form of an exercise in critical editing.

A candidate who fails but whose Thesis is satisfactory may revise and present the same Thesis on re-appearing.

For 1935.

Papers I and II.—The same as for 1934.

Paper III.—*Substitute* "Siyahat Nameh Ibrahim Beg. Vol. 2 only" *instead of* No. 3.
The rest as for 1934.

Papers IV-VI.—The same as for 1934.

HEBREW : 1934 AND 1935.

Paper I.—(i) Job.
(ii) Proverbs.
(iii) Ecclesiastes.

Paper II.—(i) Isaiah.
(ii) The Minor Prophets.

Paper III.—(i) Exodus.
(ii) Leviticus.
(iii) Deuteronomy.

For all these books, the volumes in the *International Critical Commentary* (T. and T. Clark) dealing with them are recom-

merged; and the notes in the "Variorum Bible", ed. by Dr. Cheyne (Eyre and Spottiswoode).

For the text Kittel's *Testamentum Vetus* (Critical Hebrew Old Testament) should be used.

Paper IV.—(i) Translation of unseen passages from Hebrew into English, and from English into Hebrew.
(ii) Advanced questions on Grammar, Syntax and Prosody.

In addition to the Grammars and Lexicon recommended for the B.A., Canon Driver's "Uses of the Tenses in Hebrew" (Oxford, Clarendon Press) is recommended.

W. H. Cobb's "Criticism of the System of Hebrew Metre" (Clarendon Press).

Paper V.—

(i) *Historical and Critical Study of Hebrew Literature*, as covered by—

"Introduction to the Literature of the Old Testament"—Canon Driver (International Theological Library—T. and T. Clark).

"The Old Testament in the Jewish Church"—Dr. W. Robertson Smith.

"Canon and Text of the Old Testament"—T. C. Burkitt (International Theological Library).

"The Students' Old Testament"—Dr. Charles Foster Kent (Charles Scribner's Sons, New York).

(ii) *History of the Jewish people*, as covered by—

"History of the Hebrew People"—Dr. C. Foster Kent.

"History of the People of Israel"—C. H. Cornill.

"History of the Hebrews"—R. Kittel (translated by Taylor, Hogg and Spiers).

"Contemporary History of the Old Testament"—Francis Brown (International Theological Library).

The following are also recommended for reference and study:—

"The Literary Study of the Bible"—R. E. Moulton (Isbister).

"Modern Criticism and the Preaching of the Old Testament"—G. Adam Smith (Hodder and Stoughton).

Articles in—

"The Encyclopædia Biblica"—ed. by Dr. Cheyne.

"The Dictionary of the Bible"—ed. by Dr. Hastings.

"The Encyclopædia Britannica" (especially "Israel", by Wellhausen).

Paper VI.—An Essay on some theme connected with the Language, Literature, or History of the Hebrews.

GREEK : 1934 AND 1935.

Homer	..	..	Iliad, VI–XII ; Odyssey.
Pindar	..	..	Olympic Odes.
Æschylus	..	..	Agamemnon and the Seven against Thebes.
Sophocles	..	..	Antigone and Electra.
Euripides	..	..	Hecuba and Medea.
Aristophanes	..	..	The Nights, Clouds and Wasps.
Herodotus	..	..	Books II and III.
Thucydides	..	..	Books V–VIII.
Demosthenes	..	..	Orations against Leptines and Aristocrates.
Plato	..	..	Republic.
Aristotle	..	..	Nicomachean Ethics, I–V.

LATIN : 1934 AND 1935.

Paper I.—Virgil, Horace, Lucretius.

Paper II.—Satires and Drama, Catullus.

Paper III.—Prose Authors.

Paper IV.—Unseen from Latin.

Paper V.—History of Literature and Philology.

Paper VI.—Latin Prose and Essay.

HISTORY.

For 1934 and 1935.

- I.—English Constitutional History with selected documents.
- II.—The general features of Indian History (no books to be prescribed and a *wide* choice of questions afforded).
- III.—A limited special subject to be studied in original authorities and to be tested by an Essay on an approved theme to be written during the student's period of study.
- IV.—Political Science.
- V and VI. —*Two* of the following :—
 - (i) Political Theories.
 - (ii) A special period of Economic History of England.
 - (iii) A special period of English History.

- (iv) A special period of European History.
 (v) Special period of Islamic History—the Abbaside Caliphate.

Paper I.—English Constitutional History—

Students will be expected to have a clear understanding of the evolution of the chief elements of the constitution; knowledge of important constitutional documents from the reign of Charles II, and of the main principles of the working of the constitution.

The following books are recommended :-

Maitland	.	The Constitutional History of England.
Adams	..	The Origin of the British Constitution.
Tanner	.	English Constitutional Conflicts of the 17th Century.
Dicey	..	An Introduction to the Laws of the Constitution.
Lowell	.	Government of England.
Marriott	..	English Political Institutions. (Chapters dealing with Parliament.)
Robertson, C. G.	.	Selected Statutes, Cases and Documents.
Medley	..	Original Illustrations of English Constitutional History. For reference only.
Anson	..	Law and Custom of the Constitution. For reference only.
Baldwin	..	The King's Council. For reference only.
Tudor Constitutional Documents—	J. R. Tanner.	(For reference only.)

*Paper II.—The general features of Indian History—*No books prescribed.

History under Paper II will be divided into three periods (Hindu, Muhammadan and British), and students will be expected to answer at least two questions in each period. Questions will not be asked with a view to elicit the student's knowledge of details, but he will be expected to support his arguments with an accurate statement of facts.

Paper III.—Limited special subjects, thesis and viva voce.—

The Early European Settlements in India.

Or,

History of Punjab from the Treaty of Lahore (March, 1846 to 1884).

Each candidate is to present a *Thesis upon some subject related to this period, such subject to be approved by the Board of Studies at least six months before the Thesis is submitted for examination.

A candidate who fails but whose Thesis is satisfactory, may revise and present the same Thesis on re-appearing (*vide Syndicate Proceedings*, dated 25-5-1917, also 4-1-1918, para. 3).

Paper IV.--Political Science--

The following books are recommended :--

1. Sidgwick—Elements of Political Science.
2. MacIver—The Modern State.
3. Lord—The Principles of Politics.
4. Bryce—Modern Democracies.
5. Fowler—Greek and Roman City States.
6. Marriott—English Political Institutions.
7. Dicey --Law and Custom of the Constitution.
8. Barthelemy—Government of France.
9. Young—New Germany.
10. Beard—American Government and Politics.
11. Brooks—Switzerland.
12. Sapre—Indian Constitution and Administration.

Papers V and VI. - Optional Papers—Two of the following :--

(i) Political Theories.

Books recommended :--

1. Pollock—Introduction to the Study of History of Political Science.
2. Delisle Burns—Political Ideals.
3. English Political Thought, 4 vols. Home University Library Series.
4. Rockow—Contemporary Political Thought in England.
5. Hobhouse—The Elements of Social Justice.

(ii) Economic History of England.

1. General sketch of the Economic History of England preceding the Industrial Revolution.
2. More detailed study of the Industrial Revolution and its causes.
3. Brief survey of the history of the following in the 19th century :—

Trade Unions, Factory Legislation, Poor Relief, Free Trade Movement.

* Candidates to submit two copies of the Thesis.

Books suggested for study :—

Warner, Townsend	Landmarks in English Industrial History.
Ashley	.. Economic Organisation of England.
Cunningham	.. The Industrial Revolution. (C.U. Press.)
Toynbee	.. The Industrial Revolution.
Rees, J. F.	.. A Social and Industrial History of England. (1815-1918.)

Books for reference : —

Smith, Adam	.. Wealth of Nations, Book IV.
Hammond	.. Village Labourer, 1760-1832.
"	.. Town Labourer.
Meredith	.. The Economic History of England.

(iii) English History, 1760-1820.

Books recommended :—

Relevant Volumes in Political History of England (Longmans).

(iv) European History, 1815-1878.

Books recommended :—

Cambridge Modern History	Vol. XI.
Phillips, Alison	.. Modern Europe.
Rose, J. Holland	Political Development of Modern Europe.
Lipson	.. Europe in the 19th Century.
Marriott	.. The Eastern Question.
King, Bolton	.. The History of Italian Unity.
Ward, A. W.	.. Germany, 1815-1890, 3 vols., for reference only.
Bourgeois	.. History of Modern France, 2 vols., for reference only.

Headlam or Grant Robertson's Life of Bismarck.

The Development of European Nations since 1870—Holland Rose.

Historical Atlas of Modern Europe—(Grant Robertson and Bartholomew (Oxford University Press).

(v) Special period of Islamic History—Muslim Civilisation during the Ommayyad and Abbaside periods.

The following books are recommended for study :—

(1) The Arab Civilisation (translated from the German of J. Hell), Cambridge, 1926.

- (2) The Orient under the Caliphs (translated from Von Kremer), Calcutta, 1926.
- (3) Politics in Islam by Khuda Bakhsh, Calcutta, 1920.
- (4) The Making of Humanity by R. Briffault---Part II, Chapters V and VI only.

The following books are recommended for reference :—

- G. Le Strange .. Lands of the Eastern Caliphate.
 Gibbon .. The Decline and Fall of the Roman Empire, Chapters 51, 52, 57 59 and 64.
 Nicholson .. Literary History of the Arabs.
 G. Le Strange .. Baghdad under the Abbasides.
 Ommayyads and Abbasides .. Gibb Memorial, London, 1907.
 Spruner's Historical Atlas : maps No. 77, 78, 81, 82, 83, 85, 87 and 88.

ECONOMICS.

For 1934.

Paper I.—General Theory :—

- Marshall Principles of Economics (Macmillan).
 Keynes—Scope and Method of Political Economy (Macmillan).
 Henderson—Supply and Demand (C.U.P.).
 Robertson—Control of Industry (C.U.P.).
 Gide and Rist—History of Economic Doctrines.
 Gray—The Development of Economic Doctrine.
 Pigou—Economics of Welfare (Parts I and 2).

Paper II.—International Trade, Currency, Banking and Public Finance :—

- Bastable—The Theory of International Trade (Macmillan).
 Marshall—Money, Credit and Commerce (Macmillan).
 Goschen—The Foreign Exchanges (Elfringham Wilson).
 Cannan—Reprint of the Report of the Bullion Committee of 1810.
 Keynes—A Tract on Monetary Reform (Macmillan).
 Robertson—Money, C.U.P. (1929 Ed.).
 Josiah Stamp—Fundamental Principles of Taxation (Macmillan).
 Dalton—Public Finance (Routledge).

Macmillan Committee Report on Finance and Industry, 1931 (Cmd. 3897).

Cannan—Modern Currency and the Regulation of its Value, 1931.

Paper III.—Indian Economics.

(i) The following syllabus is prescribed :—

1. The background of the industrial and economic history of India with special reference to the last 50 years.

2. Problems of Indian Economics.

(1) The Agricultural situation :—

Systems of land-ownership, tenantry problems, subdivision of farming land, joint ownership and intermixed holdings. New methods, machinery, farm-animals, manures, Agricultural education. Indebtedness and marketing of produce. Irrigation—well—canal—reservoir. Farmer's Associations.

(2) The Industrial situation :—

Present state of hand and cottage industries, future of such industries. Machine industry, the foreign capitalist, the Indian capitalist, types of machine industry, the cotton, jute and leather industries. Wages and conditions of labour. Lines of development. Comparison with Japan and China.

(3) The Currency and Banking situation :—

History of money in India especially since 1835. The silver problem - Herschell and Fowler Committees, the Chamberlain report, war currency, present situation. Comparison with Philippines, China, and Japan.

Banking. Indigenous methods, the hoonchi, the shrof and mahajan - banking castes. European banking in India. Presidency banks, joint stock and Exchange banks. The present situation, the desirability of a Central state or Federal system of banks, agricultural and co-operative banks.

(4) The Trade, Railway and Tariff situation :—

Historical résumé - growth of trade since 1870, classification and direction of trade. Railways, Historical résumé ; State, guaranteed and company lines ; Railway Policy ; Railways and trade. Tariff ; historical résumé. Imperial preference, protection, relation of tariff to industries.

(5) Co-operative problems : —

Remedies for the decay of village unity and vigour
A brief study of social organisation in the older
village. Forces of disintegration. Chief features of
co-operation in India. Comparison with European
experience. The future of the village.

(6) Indian Finance : —

Chief features of Revenue and Expenditure. Pro-
vincial Finance Local Taxation. Financial ques-
tions arising in connection with Famines.

(7) Course of prices and wages in India : and causes of
movements in them.

(ii) The following books and reports may be consulted :—

Books—

Findlay Shirras—The Science of Public Finance (Mac-
millan).

Keynes—Indian Currency and Finance (Macmillan).

Vakil—Financial Developments in Modern India (Tara-
porevala).

Darling—The Punjab Peasant in Prosperity and Debt
(Oxford University Press).

Keatinge—Agricultural Progress in Western India
(Longmans).

Gadgil—The Industrial Evolution of India in Recent
Times (Milford).

Brij Naram—The Population of India (Rama Krishna
and Sons).

Brij Naram—Economic Life of India Past and Present,
omitting Chapters I to V inclusive.

Anstey—Economic Development of India.

Reports—

Reports of the Indian Currency Committees of 1893,
1898, 1914, 1920 and 1926.

Report of the Famine Commission of 1880.

„ Indian Industrial Commission.

„ Indian Fiscal Commission.

„ Acworth Commission.

„ External Capital Committee.

„ Tariff Board on Coal, Iron and Steel, Paper
and Cement.

„ Indian Taxation Inquiry Committee.

„ Royal Commission on Agriculture.

„ Royal Commission on Labour.

Reports of the Central Banking Committee. (Majority and
Minority.)

Paper IV.—Economic History :—

1. General Sketch of the Economic History of England in the period preceding the Industrial Revolution.

This part should not bulk more largely than one-third of the whole.

The line of study and the standard expected would be indicated by :

Ashley - Economic Organisation of England ;
 Water - An Economic History of England (O.U.P.) ;
 Birn - Modern Economic History of Europe
 (chapters dealing with England) ; Lipson - Economic
 History, 2 vols.

2. More detailed study of the period following the Industrial Revolution in England on the following lines :—

(a) England on the eve of the change—population, agriculture, industry, transport, trade, finance, etc.

Prevailing economic thought - Mercantilism.

(b) England during the change - (1760-1820) - growth of population, inventions and captains of industry, roads and canals, the enclosure movement in agriculture, the growth of trade, etc.

Prevailing economic thought - Adam Smith and Malthus.

(c) The new problems to which the change gave rise and their treatment - trade unions, factory legislation, poor relief, free trade, the credit economy, colonial policy, etc.

Prevailing economic thought - the growth of the philanthropic spirit.

The line of study and the standard expected would be indicated by :—

Cunningham—Growth of English Industry and Commerce, Vol. III, for the earlier period, and by J. F. Rees—A Social and Industrial History of England (1815-1918), for the later period.

Knowles—Industrial and Commercial Revolution.

Paper V.—Political Science :—

Books recommended :—

Pollock—An Introduction to the History of the Science of Politics.

Barker—Political Thought from Spencer to To-day.
 Watson—The State in Peace and War.
 Delisle Burns—Political Ideals.
 McIver—The Modern State.
 Lord—Principles of Politics.
 Sapre—Growth of Indian Constitution and Administration.
 Ogg—Constitutions of Modern Europe.
 Bryce—Modern Democracies.

(The last two books recommended for the study of the constitutions of the United Kingdom, France, Germany, Switzerland and U.S.A.)

Paper VI.—

- (a) Essay Paper—40 marks.
- (b) Thesis on an approved subject connected with Indian economic conditions accompanied by a viva voce examination, special value in the thesis to be attached to actual local investigation by the candidate. The thesis to be written during the candidate's period of study and to be presented in duplicate to the University with his application to appear at the examination—60 marks.

The candidate must submit the subject on which he proposes to write his thesis for approval of the Board of Studies in Economics before the end of June preceding the year of examination.

The size of the thesis, excluding appendices, should not exceed fifty (double spaced) type-written pages.

If a candidate fails, but his thesis is reported on as satisfactory by the Board of Examiners, he may present it on one, but not more than one, subsequent occasion with or without revision.

For 1935.

*Papers I and II.—*The same as for 1934.

*Paper III.—*Reports of the Central Banking Committee, omit the words "and minority".

The rest as for 1934.

*Paper IV.—*The same as for 1934.

Papers V and VI.—(a) *Either* Thesis, or (b) *two* out of the following three options :—

*Option (i)—Political Science.—*The same as for 1934.

• *Option (ii)—Theory and Practice of Statistics.—*

Scope of • Utility of Statistics. Collection of Data. Tabulation. Averages. Dispersion. Skewness. Graphic Methods especially as used in commerce and industry. Index Numbers. Interpolation. Correlation. Common errors in Statistics. Periodicity (by arithmetical methods only).

Books recommended :—

1. Bowley—Elements of Statistics.
2. King—Elements of Statistics.
3. Boddington—Statistics and their application to Commerce.
4. Harward Economic Service—Review of Economic Statistics.
5. Census of India (1931).

Option (iii)—Indian Labour Problems.—

(Every candidate will be required to familiarise himself with the labour conditions in a city in the Punjab.)

(a) *Industrial Labour Problems.*—Life of the labouring classes in a few typical industries, *e.g.*, Cotton, jute, coal, tea. Wages and hours. Trade Unions. Labour Disputes. Arbitration and Conciliation. Works Committees and Trade Councils. Social welfare work in India. Unemployment. Labour Agencies and Labour Exchanges. Social Insurance. Workmen's Compensation and Factory Legislation.

(b) *Rural Labour Problems.*—A brief study of rural labour, particularly of artisans, menials and tenants-at-will. Conditions of tenancy. Wages. Housing. Customary dues and obligations, standard of life.

Books recommended :—

1. Burnett-Hurst—Labour Problems in India.
2. Matheson—Indian Industry, 1930 (Oxford University Press).
3. Brayne—Village Uplift.
4. Report of the Royal Commission on Indian Labour.
5. Report of the Royal Commission on Indian Agriculture (Chapters I, XIV and XVI).
6. At least one of the Village Surveys and one of the Settlement Reports of the Punjab.

MATHEMATICS : 1934 AND 1935.

The examination in Mathematics in 1934 and 1935 will be in the following subjects:—

Paper I. Algebra, Trigonometry, Theory of Equations. -

Infinite series and products of real, constant or variable terms. Convergence, absolute, uniform and conditional. Divergence, Oscillation and Summation.

Indeterminate equations of first degree; Simple continued fractions. Fundamental properties of Integral Numbers. Demoivre's Theorem with applications. Exponential, Logarithmic and Hyperbolic Functions.

Cubic and quartic equations. Range and nature of roots. Symmetric functions of roots. Special roots. Solution of numerical equations.

Determinants, and the fundamental operations of Algebra, with applications.

Paper II. - Plane Geometry, Pure and Analytical; Solid Geometry. -

Cartesian and Homogeneous Co-ordinates, Tangential equations. Cross ratios, Perspective, Reciprocation, Inversion, Projection, the general projectivity and involutions. The Conic, the Circle and the Triangle. The circular points at infinity. Definition and significance of invariants and covariants of two Cones.

The quadric surface and its analysis. The circle at infinity, and confocal quadrics. Elementary theory of Pencils of Quadrics, simpler properties of twisted Curves. Curves in space. Functional and Differential Equations of surfaces.

Paper III.—The Differential and Integral Calculus, Differential Equations. -

Dedekind's definition of real numbers, and limits. Conditions of differentiability, and continuity. Partial Differentiation, Theorems of Rolle and Taylor. Applications such as Tangents and Normals, Asymptotes, Singular points, Curvature, Envelopes and Curve Tracing. Pedal, Reciprocal, and Inverse Curves; the elementary properties of well-known curves.

Riemann's Integration, the definite integral with applications to arcs, areas, surfaces and volumes. Infinite Integrals and conditions of their existence. Double integration and simpler aspects of double limit problems (not including Theory of Infinite Series).

Differential Equations:—The elements of the Theory of Differential Equations including Existence Theorems, the solu-

tion* of equations of the first and second orders, Singular solutions, linear differential equations, integration in series, ordinary equations with more than 2 variables, partial differential equations of the first and second orders.

Paper IV. Statics and Hydrostatics. —

Parallelogram of forces, Parallel forces, couples, moments. Equilibrium of forces in a plane acting on a rigid body. Conditions of Equilibrium, stable and unstable. Work. Centre of gravity. Friction. Machines. Link Polygons and Linked Mechanisms. Equilibrium of Forces in three Dimensions. Elementary Theorems on Attraction and Potential

Fluid Pressure. Thrust on a plane area or any surface. Equilibrium of floating bodies. Specific Gravity. Boyle's Law and Charles' Law. Centre of Pressure. Rotating Liquids.

Paper V. Dynamics of a Particle and Rigid Dynamics in two dimensions.

Uniform and uniformly accelerated motion. Laws of motion, Work and Energy. Motion of a Particle under constant forces, Projectiles, Impact and motion in a circle. Normal acceleration. Simple harmonic motion and the simple Pendulum. Central orbits, Units and dimensions

Moments of Inertia of simple bodies such as rods, laminas, Parallelopipeds, Circles, Circular discs, Spheres, and ellipsoids. Kinetic Energy of a rigid body rotating about a fixed axis. Compound Pendulum. Conservation of Momentum and Energy.

Paper VI. Astronomy and Spherical Trigonometry.

Or,

Functions of a Complex Variable and Elliptic Functions.

Astronomy and Spherical Trigonometry. —

The Celestial sphere, Systems of Co-ordinates, apparent-diurnal motion of the Stars. The Transit and the Equatorial Instruments with their errors of adjustment. The seasons, the Ecliptic, the Earth's Orbit round the Sun. Equation of Time, Mean, Apparent, Sidereal and Standard time. Atmospheric Refraction and Twilight. Determination of Latitude and Longitude. The Moon's Orbit and Rotation. Solar and Lunar Eclipses. Kepler's Laws of Planetary Motion. Phases of Planets, Stationary Points. Axial rotations of the Sun and the Planets. Determinations of the distances of the Sun, the Planets and the Stars. Aberration, Precession Nutation, Simple treatment of Lunar and Planetary Perturbations, the Calendar, the Leading Constellations.

Functions of a Complex Variable and Elliptic Functions.—

The general bilinear Transformation and Conformal Transformation, infinite series and products, Circle of Convergence and Singularities.

Analytic functions according to Cauchy, Taylor's Series and Laurent's Series, Cauchy's Theorem and Residues with applications, Periods of definite integrals.

The Elliptic functions p ., sigma, zeta, of Weierstrass.

Theorem of addition formula, Theorems of Weierstrass and Mittag-Leffler on resolution into fractions and into factors. Problem of Inversion and the Invariant, Applications to plane cubics and twisted quartics of genus one.

The following books are suggested as being reliable :—

Paper I.—

Infinite Series	..	Goursat (Vol. I). Knopp. Chapters I to XI, <i>omitting</i> Chapter VIII.
Algebra	..	Smith.
Trigonometry	..	Hobson.
Theory of Equations	..	Burnside and Panton.

Paper II.—

Plane Geometry	..	Askwith, Russel.
Solid Geometry	..	Bell, Salmon (Vol. I).

Paper III.—

Calculus	..	Goursat's Analysis. Wilson's Advanced Calculus.
Differential Equations	..	Goursat's Analysis. Forsyth's Differential Equations.

Paper IV.—

Statics and Attractions.	..	Loney, Routh.
Hydrostatics	..	Besant.

Paper V.—

Dynamics	..	Loney, Routh.
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Paper VI.—

Astronomy and Spherical Trigonometry.	Ball's Spherical Astronomy. Todhunter and Leathem.
Complex Variable and Elliptic Functions.	Goursat II, I.

PHILOSOPHY : 1934 AND 1935.

The examination in Mental and Moral Philosophy in 1934 and 1935 will be in the following :—

**Paper I.—Psychology.*

W. James	..	Principles of Psychology.
Stout ..	..	Manual of Psychology.
W. McDougall	..	An Outline of Psychology (Methuen).
Woodworth	..	Contemporary Schools of Psychology (Methuen, Rs. 5-10-0).

Paper II.—Ethics.

Rashdall	..	Theory of Good and Evil.
Sidgwick	..	History of Ethics.
G. E. Moore	..	Principia Ethica (C.U.P.).
Broad ..	..	Five Types of Ethical Theory.

Paper III.—History of European Philosophy.

Windleband	..	History of Philosophy.
Thilly ..	..	History of Philosophy.
Introduction to Modern Philosophy by C. E. M. Joad, Oxford University Press.		

Paper IV.—Modern Metaphysics.

Taylor ..	..	Elements of Metaphysics.
Bergson	..	Creative Evolution.
James ..	..	Pragmatism.
Russell	..	An Outline of Philosophy.

*Paper V.—Either of the following alternatives :—**(a) Logic.*

Joseph	..	Logic.
Bosanquet	..	Essentials of Logic.
L. S. Stebbing	..	A Modern Introduction to Logic (Methuen, Rs. 11-4-0).

(b) The development of the Vedanta movement and Buddhism.

Radhakrishnan	..	Indian Philosophy, 2 vols.
Sircar	..	Comparative Studies in Vedant.
Keith..	..	Buddhist Philosophy.

Paper VI.—Essay.

* Candidates who have taken the M.A. Degree in Psychology are exempted from taking the paper on Psychology.

*PSYCHOLOGY.

*For 1934.**Paper I.—General Principles of Psychology.*

Books recommended for study to be the same as for Paper I (Psychology) for the M.A. Degree in Philosophy.

Paper II.—Experimental Psychology.

Books recommended : --

- Myer's and Bartlett's Text-book of Experimental Psychology, Part I.
- Collins and Drever's Experimental Psychology, Part I.

Paper III.—Social Psychology.

Books recommended :—

- W. McDougall's Social Psychology, and Group Mind.
- M. Ginsberg's Social Psychology.
- F. C. Bartlett's Psychology and Primitive Culture.
- Mukarji and Sen Gupta's Introduction to Social Psychology.
- Cyril Flowers—An Approach to the Psychology of Religion.
- Aldrich—The Primitive Mind and Modern Civilisation.

Paper IV.—Psychology of Education and Individual Differences.

Books recommended :—

- T. P. Nunn's Data and First Principles of Education.
- Thorndike's Social and Mental Measurement.
- Burt's Mental and Scholastic Tests.
- C. Fox's Educational Psychology (C.U.P.).
- Terman's The Measurement of Intelligence.
- Bannister's Elementary Applications of Statistical Method.

Paper V.—Abnormal Psychology.

Books recommended :—

- Freud's Introductory Lectures on Psycho-Analysis, and Interpretation of Dreams.

* Candidates who have already taken the M.A. Degree in Philosophy are exempted from taking Paper I,

Hollingsworth's *Abnormal Psychology*, its concepts and theories (Methuen and Co., Rs. 15-0-0).

W. McDougall's *Outlines of Abnormal Psychology*.

Bernard Hart's *The Development of Psycho-Pathology*, Cambridge University Press.

Paper VI.—

(a) An Essay or Thesis 50 marks.

The thesis is to be the result of two years' work and the subject therefor is to be approved by the Board of Studies in Philosophy not later than January of the year preceding that in which the candidate is to appear for his examination.

(b) A Practical Test 50 marks.

The Laboratory Course shall consist of more thorough study of the topics for experimental study prescribed for the B.A. Honours in Psychology Examination and of the Experiments contained in Myer's and Bartlett's *Text-book of Experimental Psychology*, Part II, Section IV.

Successful candidates shall qualify separately in each part of this Paper, and in addition shall produce evidence of having attended 75 per cent. of the periods of laboratory instruction provided the minimum number of periods of such instruction being fixed at 40.

For 1935.

Paper V.—Delete Bernard Hart's "The Development of Psycho-Pathology".

The rest of the papers as for 1934.

POLITICAL SCIENCE.

For 1934.

Paper I.—The Origin and Nature of the State.

MacIver	..	The Community.
"	..	The Modern State.
Sidgwick	..	The Elements of Political Science.
Laski	..	Grammar of Politics.
"	..	Liberty in the Modern State.
"	..	Introduction to Politics.
Brown	..	The Underlying Principles of Legislation.
Wallas	..	Human Nature in Politics.
"	..	The Great Society.

The International Crisis.	The Theory of the State, (O.U.P.).
Russell ..	Principles of Social Reconstruction.
Marriott ..	The Mechanism of the Modern State, 2 vols.
Garner ..	Introduction to Political Science.

Paper II.—History of Political Theories.

Pollock ..	..	Introduction to the History of Political Science.
Dunning ..	..	History of Political Theories, 4 vols.
* English Political Thought.	4 vols.,	Home University Library Series.
Watson ..	..	The State in Peace and War, 4 vols.
Lord ..	..	Politics.
Burns ..	..	Political Ideals.
Rockow ..	..	Contemporary Political Thought in England.
Lipmann ..	..	Public Opinion.
* Aristotle ..	..	Politics.
* Machiavelli ..	..	The Prince.

Paper III.—The Comparative Study of Constitutions.

Ancient Greek and Roman City States, United Kingdom, United States of America, France, Switzerland, Germany, the British Empire and Ancient Indian Polity.

Sidgwick ..	..	Development of European Polity.
Warde Fowler ..	..	City States of the Greeks and Romans.
A. B. Keith ..	..	Dominion Autonomy in Practice.
Bannerji ..	..	Constitution of India.
L. Curtis ..	..	The British Commonwealth.
Marriot ..	..	English Political Institutions.
Poinere ..	..	How France is governed.
Beard ..	..	The Government of U.S.A.
Vincent ..	..	The Government of Switzerland.
Headlam-Morley ..	..	The New Democratic Constitutions of Europe.

* Students are expected to devote special attention to books marked with asterisks.

Dicey	.	Law of the Constitution.
Munro ..	..	The Governments of Europe.
McBain and Rogers		The New Constitutions of Europe.
Newton	.	Federal and Unified and Constitutions.
Bryce ..	..	Modern Democracies, 2 vols.
Sarkar ..	..	Political Institutions and Theories of the Hindus.

Paper IV. —(Option i) —English Constitutional Law and History.

Maitland	..	The Constitutional History of England.
Dicey	..	The Law of the Constitution.
Anson ..	..	Law and Custom of the Constitution.
Adams	..	English Constitutional History.
White ..	..	The Making of the English Constitution.
Adams and Stephens		Select Documents of English Constitutional History.
Robertson	.	Selected Statutes, Cases and Documents.
Ogg ..	.	English Government and Politics.

Paper IV. —(Option ii) — Jurisprudence and Principles of Law.

Vinogradoff	..	Common-sense in Law (Home University Library).
Hibbert	..	Jurisprudence.
Salmond	..	Jurisprudence (Stevens and Haynes).
Allen ..	..	The Making of Law (Oxford).
Gray ..	..	The Nature and Sources of Law (Columbia University Press).
Brown ..	..	The Underlying Principles of Modern Legislation (Murray).
.. ..	..	The Austinian Theory of Law (Murray).
Dickinson	..	Justice and Liberty.
Holland	..	Jurisprudence.

Paper IV. — (Option iii) — Public International Law and Relations.

Lawrence, P. J.	..	International Law.
Oppenheim	..	International Law (edited by McNair of Cambridge), 1931 edition.

Wilson	..	Hand Book of International Law.
Hershey	..	The Essentials of International Public Law and Organisation.
Buell ..	..	International Relations.
Garner	..	Recent Developments in International Law.
Hall ..	..	International Law, edited by P. Higgins.
Pitt-Corbett (2 vols.)		
Dickinson	..	Law of Nations (case book).
Drummond	..	Ten Years of the League of Nations.

Paper V. --(Option i)-- Economic History of England, Recent Economic History of the United States of America and India.

Cunningham	..	Growth of Industry and Commerce, 3 vols.
Birnie ..	.	Economic History of Europe, 1760-1930.
Anstey	..	The Economic Development of India.
Gadgill	.	The Industrial Evolution of India in Recent Times.
Knowles	.	The Economic Development of the Overseas Empire, Book II, Part II, British India.
..	.	Industrial and Commercial Revolution.
Bogart	.	Economic History of the American People.
Lippincott	.	Economic Development of the United States.

Paper V. (Option ii)-- Principles of Economics.

Marshall	..	Principles of Economics.
Henderson		Supply and Demand.
Taussig		Principles of Economics, 2 vols.
Stamp		Fundamental Principles of Taxation.
Dalton	.	Public Finance.
Shirras	..	Science of Public Finance.

Paper VI. Evolution of the present system of Government in India.

Jayswal	..	Hindu Society.
Mozumdar	.	Corporate Life in Ancient India.

Mukerji	..	Local Government in Ancient India.
Sarkar	..	Moghal Administration.
Garrett and Edwards		Moghal Rule in India, Part II.
Sarkar	..	Studies in Moghal India.
Ilbert	..	Historical Introduction to the Government of India Act.
Montagu-Chelmsford Report.		
Reports of the Reforms Inquiry Committee, 1923-24.		
Bannerji	..	Indian Constitution.
Singh	..	Indian States.

For 1935.

Paper I. - As for 1934.

Paper II. - *For* Dunning : History of Political Theories, 4 vols.,
read Dunning : History of Political Theories,
 3 vols. and Merriam and Barnes : History of
 Political Theories (Recent Times).

The rest as for 1934.

Paper III. - As for 1934.

Paper IV. - Options (i), (ii) and (iii) - As for 1934.

Paper V. Option (i) : -

For Knowles : The Economic Development of the
 Overseas Empire, Book II, Part II, British
 India, *substitute* Knowles : The Economic
 Development in the 19th Century.

The rest as for 1934.

Option (ii) - As for 1934.

Paper VI. - *Delete* Mukerji : Local Government in Ancient India.
Add Venketashwar : Indian Culture through the
 Ages, Vol. II.

The rest as for 1934.

Degree of Bachelor of Teaching.

The following is an outline of the tests in each subject :—

1. *The Psychological Basis of Education.*

(a) The relation between Psychology and Education.

Psychology as the study of human behaviour. The methods
 of Psychology.

(b) The relation between body and mind—its educational importance. Fatigue—its causes and cures.

(c) The child as the educational datum.

Methods of child study. Instincts and innate tendencies.

The primary instincts of human nature. Their modification through experience and training. Suppression and sublimation. Imitation, suggestion and sympathy. Play and the Playway.

(d) The growth of the sentiments. The development of character. The nature of the self.

(e) The development of cognitive experience.

Sensation and perception. Observation and the training of the senses. Interest and attention.

Retentiveness and association. Memory. Good and bad memory. Improvement of memory by practice.

Conceptual analysis and synthesis. Judgment and reasoning. Opportunities for development.

(f) Character and moral character.

Direct and indirect methods of training.

Types of temperament and their treatment.

Habits and their function. The limitations of habits.

Will—Deliberation—Self-control.

2. *School Organisation and Management.*

(a) *Material conditions of School work* :— School localities and sites. A study of the principles of school buildings applicable to the Punjab, with special reference to secondary school requirements. Designs of rooms for special subjects, especially for Drawing and Science. Hostel plans. The school premises (including outhouses, gymnasium, refreshment room and school garden). Sanitation and water supply.

(b) **School Administration and Organisation* :— The Educational system of the Province : - Classes and grades of schools for general education. Curricula and aims.

(c) *Rural Education* .— Problems of expansion and supervision. The village school and the community.

(d) *The Middle School* :— Lower and upper middle schools, Anglo-vernacular, Vernacular and mixed. Problems of curricula and staffing.

(e) *The High School* :—Headmaster and staff. Distribution of work (subject and class teacher plans). Time-tables. Hostel life and superintendence. Other aspects of school supervision.

(f) *Examinations* .—External and Internal. Viva voce and written tests. Control of pupils' progress and promotion. Choice

* Opportunity will be taken to refer to other educational systems in or outside of India in dealing with this branch of the subject.

of text-books. Out of school occupations (outdoor and indoor). Clubs and hobbies. Libraries and Museums.

(g) *The School as a preparation for Civic Life* :— Systems of pupil self-government. Co-operative clubs. The Boy Scout movement, and other means of developing corporate life and the habit of social service.

Care of health and physique.

The teacher's co-operation with the Medical Inspector.

(h) *School Games* :— Their moral and physical value, as compared with formal physical exercises.

Different kinds of *organised games (Indian and otherwise) suitable to different ages and circumstances. Games' organisation. Use and abuse of tournaments and other forms of competition. Playgrounds.

Formal physical exercises. Principles underlying them. Their conduct and supervision in school hours. Courses in vogue in the Punjab.

3. *Methods of Teaching.*

The general principles and methods of teaching, and their application to the subjects included in the curriculum for High Schools.

Physical Education--the place of games, drill and gymnastics in the curriculum.

The Preparation of Teaching Notes of Lessons.

Tests and Records of Results.

The use, influence and kinds of Examinations.

4. *Methods of Teaching Selected Subjects.*

A fuller knowledge of the methods of teaching English and one other of the following branches of study selected by the candidate :--

(a) Mathematics.

(b) Science.

(c) History and Geography.

(d) A Classical Language and a Vernacular.

TEACHING OF ENGLISH.

(i) Comparison and contrast of aims in teaching a Vernacular, a classical language and English in schools, with consequent *main* differences in method.

(ii) (a) Characteristics of modern methods of teaching a modern foreign language as affected by the peculiar place of

* Acquaintance with the rules of cricket, football and hockey will be expected.

English in the school curriculum : a subject and a common medium of expression in and after school life.

(b) Use of the Vernacular in teaching English ; the place of translation.

(c) Extent to which English does and should replace the Vernacular as a medium for instruction in the principles of written composition and effective speech.

(iii) Close co-ordination of all " Branches " in teaching English ; their relative emphasis in each main stage of the teaching ; typical procedure of each stage.

(iv) Special measures to expedite a good pronunciation, an understanding of the spoken language and some facility in speaking English. Subject-matter of early lessons. Methods of interpretation other than the Vernacular. Choice and use of pictures in amassing vocabulary.

(v) The reader. Stage introductory to its use. Its nature and treatment in the middle stage ; in the high stage. Intensive and cursory reading.

(vi) Grammar. Aim in teaching it. Selection of grammatical material. Help from the vernacular grammar. Incidental and systematic teaching. Limits of the inductive method.

(vii) (a) Connection of written with oral composition and with reading. Choice of topic. Correlation with other subjects and with ordinary life.

(b) Correction of written exercises. Dictation. Letter writing. Exercises in definition, explanation, paraphrase, choice and treatment of passages for paraphrase. Paraphrase compared with translation as an agent in teaching.

(viii) Spelling. Handwriting.

(ix) Teaching of language a basis for the teaching of literature. Possibilities of any suggestions for imparting to Indian pupils an appreciation of literature.

(x) The use of phonetics in language teaching.

TEACHING OF MATHEMATICS

(1) *Mathematics*.---The educational value of Mathematics. The place of Mathematics in the school curriculum. The relation of Mathematics to other sciences. The place of the text-book ; a consideration of some text-books in common use.

(2) *Methods of Teaching Mathematics*. (i) Dogmatic, (ii) Inductive-Deductive, (iii) Analytic-Synthetic, (iv) Laboratory, (v) Concentric.

These methods will be illustrated by means of specimen lessons.

(3) Study of the theory and method of teaching the various parts of a high school course in all departments, with emphasis on the following :--

Arithmetic. - Decimal notation, first four rules, casting out nines, tests of divisibility, remainder in short division, G.C.M., L.C.M., vulgar fractions - their comparison and first four rules, decimal fractions, approximation, contracted multiplication and division, metric system, unitary method, proportion, percentage, interest, profit and loss, discount, square root.

Algebra. - Literal Arithmetic, opposite quantities, simple equations, simultaneous equations, graphs, graphic solution of simultaneous equations, cross multiplication, method for solving simultaneous equations, factors of the type x^2+px+q , x^3-y^3 , etc., factor theorem, symmetry, homogeneity, principle of indeterminate coefficients, fractional and negative indices, surds and elimination.

Geometry. - Euclid's elements compared with modern Geometry. Fundamental concepts, measurement of lines and angles, areas by means of squared paper, different methods of establishing geometrical truths (*experimentally*), use of scale, geometrical excursions, areas and volumes.

(4) *Nature of a course in Demonstrative Geometry.* - How to teach definitions, and geometrical propositions, place of exercises in a course.

(5) *Typical Methods of Demonstration.* - (i) Superposition, (ii) Direct, (iii) Indirect, (iv) Exhaustion, (v) Motion and Limit, (vi) Intersection of Loci.

(6) Place and function of oral work.

(7) *Outline Notes of Lessons.* - Notes of lessons to be prepared by each student of Mathematics, as given below :-

- (i) A lesson from the conceptional stage of Geometry.
- (ii) A lesson from the empirical stage of Geometry.
- (iii) A lesson on the Measurement of Areas and Volumes.
- (iv) A lesson on a problem in Demonstrative Geometry.
- (v) A lesson on a theorem in Demonstrative Geometry.
- (vi) A lesson on a rule in Pure Arithmetic.
- (vii) A lesson on a rule in Applied Arithmetic.
- (viii) A lesson in Literal Arithmetic.
- (ix) A lesson in Realistic Algebra.
- (x) A lesson in Formal Algebra.

(8) The working of the Dalton plan in Mathematics.

(9) The students of Mathematics while practising in schools will pay special attention to the teaching of Mathematics.

TEACHING OF SCIENCE.

(a) *Theoretical.*

(1) *General.* - The history of Science teaching in schools; reasons for the inclusion of Science in the curriculum; aim and value of class-room and laboratory teaching; undifferentiated

Science and systematic courses ; assignment method of instruction ; application to daily life ; correlation with other subjects ; curriculum in the Punjab ; written and practical examination ; the training of science teachers ; science courses for boys and girls.

(2) *Equipment, etc.*—Types of class-room and laboratory ; arrangements of furniture and fittings ; water-supply and drainage ; selection and purchase of apparatus and stores ; home-made apparatus ; library books and charts ; care and arrangement of apparatus ; school museum ; laboratory regulations.

(3) *Method and Technique.*—Time-tables, lesson demonstrations ; use of charts and sketches ; problems ; text-books ; note-taking ; home tasks ; examinations ; teaching lesson notes ; laboratory schemes ; laboratory directions and laboratory manuals ; note-books ; diaries ; graphs and records ; supervision and correction ; co-operation of pupils out of school work. Inspection methods.

(4) *Nature Study.*—A series of lectures will be given dealing (1) with the aim, scope, place and methods of Nature Study in the school curriculum.

(b) *Practical.*

(1) Teaching the Matriculation course in Physics and Chemistry to a class.

(2) A course in manual training to enable students to repair and make simple apparatus.

(3) Exercises in glass-blowing and repairing.

(4) *Nature Study.*—Methods of preserving and exhibiting natural history objects ; the upkeep of school museums and herbaria.

TEACHING OF HISTORY AND GEOGRAPHY.

A.—History.

(i) *Theoretical Work.*

(1) What History is ; the sources of historical knowledge ; historical criticism.

(2) The aims and value of teaching history in schools.

(3) The problem of adapting history to children.

(4) Schemes of history lessons and selections of facts in the Primary, Middle and High Classes.

(5) General methods of instruction as applied to Primary, Middle and High Classes.

(6) The Chronological Method, the Regressive Method, the Concentric Method.

(7) Making the past real ; special aids to visualisation ; local history and its use.

- (8) Relation of history to other subjects.
- (9) Civics—its importance, methods of teaching ; proposed syllabus for Middle and High Classes.
- (10) Special study of Lord Dalhousie to illustrate the above principles of teaching history.

(ii) *Practical Work.*

- (1) Drawing of plans of battles ; maps of India to illustrate the political division at different periods of history.
- (2) Excursions to the local museum and historical buildings in the neighbourhood.
- (3) Preparation of time charts.

Teaching Work —

- (1) Demonstration lessons by the Lecturer.
- (2) A course of twelve criticism lessons by the students.
- (3) Preparation of six notes of lessons by each student.

B. — Geography.

(i) *Theoretical Work.*

- (1) Definition of Geography, meaning and growth of the idea ; aims of Geography teaching ; and scope of school Geography.
- (2) Home Geography and its use in teaching the Geography of the World as a whole.
- (3) Syllabuses and different methods of teaching Geography as applied to Primary, Middle and High Classes.
- (4) Relation of Geography to other subjects, especially to History and Nature Study.
- (5) The use of maps and text-books.
- (6) Equipment and apparatus : maps, globes, illustrations.
- (7) General principles and Geography of India to illustrate the principles of teaching.

(ii) *Practical Work.*

- (1) Keeping of records of temperature, atmospheric pressure, wind direction, rainfall, humidity.
- (2) Drawing of statistical diagrams on squared paper.
- (3) Drawing of maps of India, showing relief, monsoons, distributions of rainfall, vegetation, minerals and manufactures, population, railways, etc.
- (4) Drawing diagrams on the black-board illustrating such topics as the following :—The revolution of the earth round the

sun, height of the sun at various times, the formation of springs, a section of volcano, the effect of vertical relief on rainfall.

- (5) Illustrative lessons by the Lecturer.
- (6) A course of twelve practice lessons by the students.
- (7) Drawing up a course of lessons for the High Department with notes of six consecutive lessons included in the course.

TEACHING OF A CLASSICAL LANGUAGE AND A VERNACULAR.

A.—General comparison and contrast of aims in teaching a Vernacular, a modern foreign language and a classical language, with consequent main differences in method. Distinctive features and inter-relation of classical languages and Indian Vernaculars.

B.—A classical language (Arabic, Persian or Sanskrit): -

- (i) Standard to be aimed at in secondary schools. The so-called inherent difficulties of the classical languages. Traditional and modern methods in learning a classical language. Their merits and defects.
- (ii) The various methods of teaching reading. Peculiar sounds of the classical languages. Pronunciation. Early difficulties and how to overcome them. Various types of reading lessons and conduct of typical reading lessons in early, middle and advanced stages. Silent and expressive reading. Recitation and memorisation of striking passages in prose and poetry. The use and limitation of oral practice in dealing with a classical language.
- (iii) Aim in teaching grammar. Selection of grammatical material. Comparison with the Vernacular grammar. Incidental and systematic teaching. Inductive method and its limits. Contents of a grammar book. Typical exercises, oral and written, in grammatical usage.
- (iv) The translation method as applied to the classical languages. Translation from the Vernacular - as an art or agent in teaching. Typical exercises in translation from the Vernacular.
- (v) Handwriting. The various scripts. The place of dictation and transcription. Written work at various stages. Pupils' notebooks.
- (vi) Home study in a classical language. Preparation and revision exercises. The use of a dictionary.
- (vii) Classical language texts. Consideration of the scheme of studies obtaining in indigenous institutions. Methods of transliteration and textual preservation.

Reference books. Charts and pictures. Books for a school library.

- (viii) Correlation with the History and Geography of India or the Middle East.

C.—A Vernacular (Urdu or Hindi or Panjabi)—

All relevant topics as indicated under B above, with special emphasis on—

- (i) Special measures to expedite and ensure a good pronunciation, an understanding of the spoken language and facility in speaking the Vernacular. Topics for conversation.
- (ii) Connection of written work with oral composition and with reading. Choice of topics. Correlation with other subjects and with ordinary life. Letter-writing. Exercises in definitions, explanation and paraphrase.
- (iii) Extensive reading at various stages. Class libraries. The teaching of the Vernacular as a basis for the teaching of literature. Suggestions for imparting an appreciation of literature.

D.—General outlines of the literary histories of the Vernacular and the classical languages.

5. *History of Education.*

(a) The History of educational movements from Greek times to the present day.

Greek education as exemplified by Plato.

Roman education with reference to Quintilian.

Comenius and his contribution to Method.

Locke's "Thoughts concerning Education".

Rousseau's "Emile".

Pestalozzi. His work.

Herbart and his contribution to Method.

Froebel and the Kindergarten System.

Present-day tendencies in Education.

(b) The rise and development of European education in India, studied in reference to the Calcutta University Commission's Report (Vol. I, *omitting* Chapters 6, 10 and 11; Vol. II, Chapters 16, 17 and 18).

6. *Practical Skill in Teaching.*

Each candidate must submit records of at least twelve lessons delivered during the session. This record and his College Report will be taken into consideration in estimating the practical skill of the candidate.

The candidate will be required to prepare and submit full teaching notes of four lessons taken from two at least of the following groups of subjects :—

- (a) Language and Literature.
- (b) History and Geography.
- (c) Mathematics.
- (d) Natural History and Physical Science.
- (e) Classical and Vernacular Languages.

At least one of these lessons must be delivered in the presence of the Examiner under ordinary school conditions.

The Notes should indicate (i) the age of the pupils for whom the lesson is intended ; (ii) the previous knowledge which they are assumed to possess ; (iii) the diagrams, maps, apparatus or other visible illustrations which it is proposed to use.

In giving the lessons candidates will be expected to follow, in the main, the course described in the notes.

Books recommended.

For 1934.

I. *The Psychological Basis of Education*—

- Ross—Groundwork of Educational Psychology.
- Constructive School Discipline by Smith, published by the American Book Co.
- “Introduction to Psychology, more especially for Teachers”, by Loveday and Green. (Clarendon Press.)

II. *School Management and Organisation*—

- Principles of Education—Raymont. (Longmans.)
- Indian School Organisation—P. C. Wren. (Longmans.)
- Recent Reports on Public Instruction in the Punjab
- Proceedings of Conferences.

III. *Methods of Teaching*—

- Welton—The Principles and Practice of Teaching.
- Mackenzie—Indian Secondary School Instruction.
- J. Adams—Educational Movements and Methods. (Harrap and Co.)
- Suggestions for the consideration of Teachers issued by the English Board of Education.

IV. *Methods of Teaching Selected Subjects*—

The scope of the course to be covered may be ascertained by consulting—

- (a) The Direct Teaching of English, by P. C. Wren. (Longmans.)

- (b) The Teaching of English in India, by H. Wyatt (2/4).
- (c) Principles of Language Teaching—Palmer. (Harrap and Co.)
- (d) The Teaching of Mathematics in Secondary Schools, by Schultze. (Macmillan.) (4/8).
- (e) The Teaching of Scientific Method, by Armstrong. (Macmillan.)
- (f) The Teaching of Geography in Elementary Schools, by Archer, Lewis and Chapman. (Black.)
- The Teaching of History, by Jarvis. (Clarendon Press.)
- (g) The Introduction to the "Atlas of Economic Geography", by L. W. Lyde, M.A. (Oxford University Press.)
- (h) The Teaching of Geometry and Graphic Algebra in Elementary Schools (English Board of Education).
- (i) "Teaching of Latin and Greek"—Bennet and Bristol.
- (j) "The Classical Association Pamphlets."
- (k) "New Teaching"—Adams.
- (l) "Practice of Instruction"—Adamson.
- (m) "Educational Movements and Methods"—Adams.
- (n) "The Teaching of English in England"—Tomkinson.

N.B.—Methods advocated in the books (i) to (n) to be adapted to the teaching of the classical languages and Vernaculars in the Punjab.

V. *History of Education*—

The Doctrines of the Great Educators, by R. R. Rusk. (Macmillan and Co.)

The Calcutta University Commission's Report (Vol. I, omitting chapters 6, 10 and 11; Vol. II, Chapters 16, 17 and 18).

Courses of Reading prescribed for the Intermediate Examination of 1934 and 1935.

Science Faculty.

ENGLISH : 1934 AND 1935.

The same as for the Arts Faculty.

MATHEMATICS : 1934 AND 1935.

The same as for the Arts Faculty.

AN INDIAN VERNACULAR OR FRENCH (OPTIONAL PAPER).

For 1934 and 1935.

The same as for the Arts Faculty.

MILITARY SCIENCE (OPTIONAL).

For 1934 and 1935.

The same as for the Arts Faculty.

GERMAN (OPTIONAL PAPER).

For 1934 and 1935.

The same as for the Arts Faculty.

French and German (for candidates appearing under Regulation 15 relating to this examination).

For 1934 and 1935.

The same as for the Arts Faculty.

*PHYSICS.

For 1934.

Overlapping in teaching of subjects already done in the School classes should as far as possible, but consistent with efficiency, be avoided.

Algebra.—Quadratic equations involving a single variable; Arithmetical and Geometrical Progressions; Binomial Theorem (positive index and application for negative and fractional indices).

Trigonometry and Logarithms.—Sexagesimal and Circular Units; Definitions, Simpler Properties and Graphs of the Trigonometric Functions; Addition Formulæ; Solution of a

* The Mathematical portion in Physics is required of those candidates who have not taken Mathematics as a separate subject.

Right-angled Triangle ; Formulae connecting the sides and angles of a triangle ; Limiting values of sine, cosine and tangent for small values of the angles ; Principle and use of Logarithms.

Co-ordinate Geometry.—Cartesian and Polar Co-ordinates of a Point ; Equations of a Straight Line, Circle and Parabola in Rectangular Co-ordinates.

Mechanics.—Accelerated Rectilinear Motion ; Composition of Motions ; Newton's Laws of Motion ; Units and Measurement of Force ; Composition and Resolution of Forces ; Centrifugal Force ; the Law of Gravitation ; Gravity ; Simple Pendulum ; Work and Energy ; Simple treatment of simple machines, namely, Pulleys, Inclined Plane, Lever, Weighing Machines, Wheel and Axle, Screw and Screw Jack ; Simple ideas about Elasticity treated experimentally ; Laws of Hydrostatic Pressure and Floatation ; Simple Qualitative Experiments on Surface Tension ; Barometers ; Relation between Pressure and Volume in Gases ; Elementary Principles of the Aeroplane and Airship.

Sound.—The Production of Sound and its Transmission through various Media ; Loudness and Pitch ; Experimental Determination of the Velocity of Sound in Air ; Echoes ; Experimental Investigation of the Fundamental Vibrations of Strings by means of the Sonometer and of Air Columns by Resonance to Tuning Forks ; Nodes and Antinodes ; Beats ; the Siren and the Principle of the Gramophone.

Heat.—Expansion of Solids, Liquids and Gases with rise of Temperature ; Change of State ; Latent Heat ; Vapour Pressure ; Boiling Point ; the Ammonia Ice Plant ; Dew Point ; Regnault's and the Wet and Dry Bulb Hygrometers ; Convection ; Conduction ; Definition of Thermal Conductivity ; Radiation, its Properties and its relation to Light ; Mechanical Equivalent of Heat and its Determination by Joule's Method ; Elementary Principles of the Steam Engine and the Internal Combustion Engine.

Light.—Photometry ; Reflection at Plane and Spherical Surfaces and the Formation of Images ; Refraction at Plane Surface ; Total Reflection ; Minimum Deviation ; Dispersion ; Formation of Images by Single Thin Lenses ; the Eye as an Optical Instrument ; Long and Short Sight and their Correction ; Dioptric Strength of Spectacles ; the Principles of the Telescope (Reflection and Refraction) ; the Microscope, the Cinematograph and the Binocular (Prismatic and Ordinary) ; Measurement of the Velocity of Light by Fizeau's Method.

Magnetism and Electricity.—Magnetic Induction ; the Magnetic Field ; Lines of Force ; Deflection Magnetometer, its End-on Position ; Vibration Magnetometer ; Simple Ideas about the Terrestrial Magnetic Elements ; Electrification by Friction and by Induction ; Wimshurst's Machine ; Quantity of Electricity ; Distribution of Electrification on Conductors ; the Electric

Field; Field Strength; the Inverse Square Law of Electric Force; Potential; Capacity; Atmospheric Electricity; Electric Current; the Various Cells; Description and Action of Lead Accumulators; Description of Alkaline Accumulators; the Magnetic Field due to Current; the Theory of the Tangent Galvanometer; Measurement of Current; Electro-motive Force; Resistance; Ohm's Law; the Volt, the Ohm and the Ampere; Simple Description, Principle and Use of Moving Coil Galvanometers, Voltmeters, Ammeters and Shunts; Measurements of Resistance by Voltmeter and Ammeter; Theory and Use of Slide Wire Bridge; Comparison of E.M.F.s by a High Resistance Moving Coil Galvanometer; Arrangement of Lights and Fans in an Electric Circuit; Heating and Chemical Effects of Currents; the Principle of Thermopile; Electromagnetic Induction; Faraday's and Lenz's Laws; Induction Coil; Elementary Ideas of Alternating Currents, Transformers, Dynamos and D.C. Motors; Telegraphs and Telephones; Elementary Principles of Wireless Telegraphy; Simple Spark Transmitter and Crystal Receiver; the Construction and Amplifying Action of a Thermionic (Triode) Valve; Simple Experiments on the Conduction of Electricity through Rarefied Gases; Elementary Ideas about X rays.

Practical.—The scope of work is indicated by the following. Calculations by use of logarithms and curve plotting wherever possible should be encouraged.

Quantitative Experiments.

Measurement of Length by Vernier Callipers and Screw Gauge;

Determination of the Resultant of Two Forces, Parallel and otherwise;

Quantitative Experiments with the Lever and the Inclined Plane;

Experiments with the Simple Pendulum;

Accurate Determination of Density of light Solids by the application of Archimedes' Principle;

Accurate Determination of Density of Soluble and Insoluble Substances by the Specific Gravity Bottle;

Determination of Density of Liquids by Hydrometers;

Preparation of Solutions of Definite Strengths;

Velocity of Sound by Resonance;

Verification of Boyle's Law;

Determination of Specific Heats by the Method of Mixtures;

Determination of Latent Heat of Water;

Determination of Dew-point and Humidity with the Dry and Wet Bulb Hygrometer;

Verification of the Sine Law of Refraction;

Refraction through Prisms; Minimum Deviation and Total Reflection;

Determination of the Nature and Position of Images formed by Plane and Concave Mirrors and Convex Lenses by the Method of Parallax ;

Refractive Index of Liquids by the Concave Mirror Method ;

Tracing of Lines of Magnetic Force ;

Comparison of Magnetic Moments by Deflection ;

The Slide Wire Bridge —Resistance and Specific Resistance ;

Determination of Resistance by Voltmeter and Ammeter ;

Comparison of E.M.F.s by a Moving Coil Galvanometer ;

Measurement of Fall of Potential along a Wire by a Voltmeter.

Qualitative Experiments.

An Electric Bell to be operated by Push Buttons from two different points ;

Setting up a Two-way Telephone Circuit ;

Setting up a Two-way Telegraph Circuit ;

Setting up a Lighting Circuit consisting of at least three Lamps with Independent Switches and two Fuses ;

Charging of an Accumulator or electroplating small object ;

The Ice Pail Experiments ;

Building up a Telescope with two Lenses ;

Building up a Microscope with two Lenses.

In the practical examination, candidates must present Note-books containing the original data and a concise account of each experiment, dated by the student and initialled by the teacher in charge.

Books suggested : —

Crowther's Manual of Physics (O.U. Press), *omitting* sections 128, page 244, Flicker Photometer, 220, 223, 231-233, 287, 299, 320, 356, 360, 362, 367, 368, 371, 373, 377.

G. L. Datta's Intermediate Physics (Atma Ram), *omitting* the following sections : —

67, 89, 90, 92, 93, 108, 253, 258, 264, 293, 299, 323, 334, 335, 353, 371, 375, 403, 415, 419, 421, 430, 431-433, 436, 437, 478, 509, 512, 526, 527, 568, 569.

Chhabra's Intermediate Physics.

Chetan Anand : Practical Physics for Junior Classes.

S. R. Suri : Text-book of Practical Physics.

"Elementary Mathematics" by S. Shiv Charan Singh.

For 1935.

Under Mechanics *add* "Friction" after the words "Work and Energy".

The rest as for 1934.

CHEMISTRY.

For 1934.

Inorganic.-- Distinction between Chemical and Physical Change. Conditions affecting Chemical Change; Solution; Crystallisation. Filtration and other operations employed in Chemistry; Elements and Compounds; Symbols, Formulae and Equations; Modes of Chemical Action; Chemical Nomenclature; Laws of Chemical Combination; Atomic Theory; Chemical Equivalent; Atomic and Molecular Weight; Valency; Avogadro's and Gay Lussac's Laws; Chemical Calculations; Volumes and Weights of Gases formed at specified Pressures and Temperatures; Problems relating to Gaseous Combinations. Percentage Compositions and Calculation of Formulae, Ionic theory treated in an elementary way.

The nature of combustion; the structure of flames including blow pipe flames and their uses; cause of luminosity; oxidation and reduction; acids, alkalies and the classification of salts and their methods of formation.

Systematic study of the following Elements and Compounds, their Condition in Nature, usual methods of Preparation and chief Properties, Oxygen, Ozone, Hydrogen, Water, Hydrogen Peroxide, Carbon, its Oxides, Marsh Gas, Ethylene, Acetylene, Coal Gas, Saturation and Unsaturation, Nitrogen, its Oxides, Nitric acid and Nitrates, Ammonia and its important Compounds, Chlorine, Hydrogen Chloride. Bleaching powder, Chlorates, Perchlorates, Hypochlorites, Bromine and Hydrobromic acid, Iodine and Hydriodic acid, Fluorine and Hydrofluoric acid, Sulphur, its Oxides, Hydrogen Sulphide, and the Sulphides, Sulphurous and Sulphuric acids and their salts, Thiosulphates, Carbon Disulphide, Phosphorus and Phosphoric acids, Phosphine, Arsenic, its oxides and acids and its tests, Boron, Silicon, Silicates, Glass Borates.

The outlines of the metallurgy of the following metals, their chief uses and tests and the preparation and properties of their most important compounds; Sodium, potassium, copper, silver, magnesium, calcium, zinc, mercury, aluminium, tin, lead, antimony, bismuth, iron, chromium and manganese.

Organic.—The Modes of Occurrence, Preparation and General Characters of Methane, Ethane, Ethylene and Acetylene, and their derivatives, *viz.*, Haloid Compounds, Alcohols and Etheral Salts, Ethers, Aldehydes, Ketones, Monobasic Acids; Glycol; Oxalic, Succinic, Tartaric and Citric Acids, Amines; Glycine, Cellulose, Starch, Dextrose, Laevulose and Cane Sugar; the processes of Fermentation; Urea and Uric Acid. Glycerine, the Fats and Soaps, Benzene, its homologues and their more important derivatives, *viz.*, Halogen, nitro-amino and diazo

compounds, Phenols, Benzaldehyde, Benzoic and Salicylic acids and their esters. • The structural formulæ occurrence and properties of Pyrrol, Pyridine and Coniine.

Practical.—In the practical examination candidates will be expected to be able to fit up simple apparatus, to use the chemical balance and perform simple operations such as filtration, crystallisation, etc., to make simple quantitative estimations such as the determination of the composition of mixtures, solubilities, etc. Preparation, properties and tests of hydrogen, oxygen, hydrochloric acid gas, chlorine, the oxides of nitrogen and nitric acid, ammonia, the oxides of carbon, sulphur dioxide and sulphuretted hydrogen. Preparation of simple salts.

Qualitative Analysis : Identification of single salts.

Volumetric Analysis : Acidimetry and alkalimetry. Use of potassium permanganate for the estimation of ferrous and ferric salts and oxalic acid.

Estimation of chlorides by means of silver nitrate solution.

Candidates must present their original Laboratory Note-books containing dated accounts of their work, initialled by their Teacher. Typical examples of the scope and standard of the work required are given in—

Practical Chemistry for Intermediate Classes. Parts I and II. H. B. Dunncliff (Macmillan and Co.).

Examiners shall place an increasing emphasis upon the original Laboratory Note-books of candidates.

The following books are suggested, omitting portions not included in the syllabus :—

Inorganic Chemistry : —

Inorganic Chemistry for College Students by Alexander Smith.

Inorganic Chemistry by E. J. Holmyard (Edward Arnold).

An Introduction to Modern Inorganic Chemistry by J. W. Mellor (Longmans, Green and Co.).

Inorganic Chemistry for Intermediate Students by Prem Singh and Ram Bheja Mal (Uttar Chand Kapur), Part I, Non-Metals ; Part II, Metals.

Organic Chemistry :—

A Class-Book of Organic Chemistry by J. B. Cohen (Macmillan).

Organic Chemistry for Medical and Intermediate Science Students by A. K. Macbeth (Longmans, Green and Co.).

Organic Chemistry for Intermediate Students by Prem Singh and Kishan Lal (Uttar Chand Kapur and Sons), 1923.

An Introduction to Modern Organic Chemistry—L. A. Coles (Pub. Longmans).

An Elementary Chemistry of Carbon Compound—Hukam Chand Mahajan (Pub. Shamsheer Singh and Co.).

Organic Chemistry by E. T. Dean, published by R.S. Munshi Gulab Singh and Sons.

Practical :—

Practical Chemistry for Intermediate Classes by H. B. Dunnicliff, Parts I and II (Macmillan and Co.).

Note.—This outline is intended to show the general scope of the examinations, but examiners shall not be precluded from setting questions upon portions of the subjects of similar character and standard to those indicated.

For 1935.

Syllabus : The same as for 1934.

Courses of reading : No book is recommended or prescribed.

BOTANY AND ZOOLOGY.

For 1934.

Botany—

The elements of the morphology and physiology of the Angiosperms embracing (a) the structure (macroscopic and microscopic) of the root, stem and leaf ; (b) the structure of a typical flower and modifications of the type ; (c) the inflorescence, and the principal types of branching ; (d) the structure and development of the seed and embryo ; (e) the principal types of fruits ; (f) the dispersal of seeds and fruits ; (g) the main facts in relation to nutrition, growth and reaction to environment ; (h) the fundamental facts of Ecology as illustrated particularly by the local flora.

The reproduction and life-history of Angiosperms ; the distinctive facts in the structure and life-history of *Pinus*, *Selaginella*, Fern, *Funaria*, *Marchantia*, *Spirogyra*, *Ulothrix*, *Mucor* and *Bacterium*.

The subjects of Variation and Heredity, Natural Selection and Evolution, treated in an elementary manner.

The general principles of classification, and a knowledge of the following families of which types for illustration are to be taken as far as possible from the Punjab flora. (Emphasis to be laid on the characters of the type rather than on the characters of the family) :—

Graminaceæ, Palmaceæ, Liliaceæ, Ranunculaceæ, Cruciferae, Leguminosæ, Rutaceæ, Euphorbiaceæ, Malvaceæ, Labiateæ, Solanaceæ, Compositæ.

The following types to be used in the study of the families, and special attention to be paid to these types in connection with general morphology also :—

- Gramineæ : Oat, Wheat.
- Palmae : The date-palm.
- Liliaceæ : Asphodel.
- Ranunculaceæ : *Ranunculus*, *Delphinium*.
- Cruciferae : *Brassica*.
- Leguminosæ : *Lathyrus*, *Cassia*, *Albizzia*.
- Rutaceæ : *Citrus*.
- Euphorbiaceæ : *Euphorbia*, Castor-oil plant.
- Malvaceæ : *Malva*, Cotton plant.
- Labiatae : *Ocimum*, *Salvia*.
- Solanaceæ : *Solanum*.
- Compositæ : Sunflower, *Sonchus*.

. Practical Examination.

In the practical examination in Botany candidates will be required to examine microscopically, to dissect and to describe specimens of plants included in the above Syllabus.

Candidates will be required to submit their original Note-books, initialled and dated by their Professors, of their laboratory work (drawings, etc.), at a date previous to the examination (which will be fixed subsequently) in order that these may be taken into account in determining the results of the examination.

The following books are suggested :—

- Coulter : Text-book of Botany.
- Fritch and Salisbury : Botany for Students of Medicine and Pharmacy.
- Watson : Elementary Botany (Price Rs. 4-7-6).
- Kashyap and Mehta : Practical Botany (Atmaram and Sons).

Zoology—

Living and non-living matter. The distinctive properties of living matter or protoplasm and the chemical substances entering into its composition.

The frog as a type of higher animals. The elements of vertebrate histology illustrated from the frog. Elementary facts of Physiology. The outlines of the larval history of frog.

Amœba, *Paramœcium* and Malarial parasites, as types of Protozoa.

Hydra as an example of the Metazoa. The principle of the physiological division of labour and the correlated differentiation of structure.

Pheretima as an example of segmented animals. The significance of the three primary germ-layers and of the coelom.

The Cockroach as a type of Arthropoda. Metamorphosis among insects as illustrated by the life-history of the common mosquito.

The general characters of Chordata. The Rabbit as a type of Mammalia.

Sexual reproduction. Ova and spermatozoa. The elementary facts of fertilisation and segmentation of the ovum in frog. The formation of the three germinal layers and their subsequent history.

A general survey, with special reference to Natural History, of the animal kingdom omitting Porifera, Molluscoidea, Echinodermata and lower Chordates.

An elementary knowledge of the doctrine of Evolution, Variation, Heredity, Natural Selection and Recapitulation theory.

Practical Examination.

In Zoology each candidate will be required to examine microscopically, to dissect and to describe the animals named in the foregoing syllabus.

In the case of specimens belonging to Phyla for which one or more types are prescribed in the syllabus, candidates will be required to refer them to their phyla and classes, in other cases to Phyla only.

Candidates will be required to submit the original Notebooks, initialled and dated by their Professors, of their laboratory work (drawings, etc.), at a date previous to the examination (which will be fixed subsequently) in order that these may be taken into account in determining the results of the examination.

The following books are suggested :—

Parker and Bhatia : Text-book of Zoology (Macmillan).

Borradaille : Elementary Zoology for Medical Students (Oxf. Univ. Press, 1930).

Wells and Davis : Text-book of Zoology (Univ. Tutorial Press)—(Seventh Edition, 1929).

T. J. Moon : " Biology for Beginners " (George Harrap and Co.).

Note.—This outline is intended to show the general scope of the examinations, but examiners should not be precluded from setting questions upon portions of the subject of similar character and standard to those indicated.

For 1935.

Botany—

Substitute "Rhizopus" in place of "Mucor".

Substitute "Gramineæ" in place of "Graminaceæ" and "Palmeæ" in place of "Palmaceæ".

The rest as for 1934.

Zoology—

For "Hydra as an example of the Metazoa" insert "Obelia as an example of the Metazoa".

For "A general survey, with special reference to Natural History of the animal kingdom....." insert "A general survey, with special reference to Ecology of the animal groups.....".

For "An elementary knowledge of the doctrine of Evolution, Variation, Heredity, Natural Selection and Recapitulation Theory" insert "An elementary knowledge of Organic Evolution, Variation, Heredity, Natural Selection and Recapitulation".

The rest as for 1934.

PHYSIOLOGY.

For 1934.

The structure of the animal Cell and of the Tissues, treated in an elementary manner. The minute structure and functions of the Organs concerned in Nutrition. The Blood and its Circulation, including an elementary knowledge of the apparatus of the circulation. The leading facts connected with the Physiology of Respiration; also the structure of the apparatus of breathing. The structure and functions of the Kidney and Skin. The elementary facts connected with Food and its Digestion; the Nutrition, and the balance of Income and Expenditure of the body. The structure and functions of the Nervous System and of the Sense Organs dealt with in an elementary manner. The basal facts of Reproductions and Lactation.

Practical Examinations.

In the practical examination candidates will be required to show a knowledge of the Human Skeleton, and the dissection of a mammal (*e.g.*, rabbit), and to prepare for microscopic examination simple tissues, to identify prepared slides of the tissues and organs of the body, and to perform simple experiments in chemical and general physiology such as outlined below :—

Chemical Physiology Practical.

(1) Simple qualitative tests for different kinds of food materials, *e.g.*, Carbohydrates, Proteins, Fats and Oils; and the effect of Ptyalin and Pepsin respectively on the first two. The process of emulsification. Simple tests for Bile salts and Bile pigments.

Examination of Urine and chemical tests for the more important constituents of Urine.

Chemical test for Hæmoglobin.

Experimental Physiology.

Nerve muscle preparation and the effect of electrical, thermal, mechanical and chemical stimulation.

Inhibition of Heart beat by stimulation of vagus in a frog.

Schema of circulation of blood by means of a pump and rubber and glass tubing.

Circulation of blood in frog's web, demonstration of blood pressure by a simple Manometer, and tracing of pulse by a Sphygmograph.

Measurement of vital capacity by tape.

Various reflexes in a pithed frog.

Threshold for two points for Tactile discrimination.

Demonstration of hot and cold spots.

Comparison of sensitiveness to bitter substances of the tip and of the back of the tongue.

Simple experiments about accommodation and blind spot.

Optical illusions.

The following books are suggested :—

McGregor Robertson's Text-book of Physiology (Blackie).

Hill's Manual of Human Physiology (Arnold).

Thornton's Physiology (Longmans' Advanced Science Manuals).

Huxley's Lessons in Elementary Physiology (Macmillan).

Note.—This outline is intended to show the general scope of the examinations, but examiners should not be precluded from setting questions upon portions of the subject of similar character and standard to those indicated.

PHYSIOLOGY.

For 1935.

Paper (a) Animal Anatomy.

Amœba and Malarial parasite as examples of Protozoa.

Obelia as an example of the Metazoa.

Pheretima as representative of segmented animals.

Detailed knowledge of the anatomy of the Frog and of the anatomy of the Rabbit.

Development of the Frog and Rabbit treated in an elementary manner.

Elementary facts of Heredity, Variation and Evolution.

The animal cell and tissues (including blood) treated in an elementary manner. The minute structure of the organs concerned in nutrition. Elementary knowledge of the apparatus of circulation. The apparatus of breathing. The structure of Kidney and Skin. Nervous system and sense organs dealt with in an elementary manner.

Paper (b) Physiology.

The functions of the organs concerned in Nutrition. Circulation of blood. Leading facts connected with the Physiology of Respiration. Functions of the Kidney and Skin. Elementary facts connected with food and its digestion. Nutrition and the balance of income and expenditure of the body. Functions of the nervous system and of the sense organs dealt with in an elementary manner. The basal facts of reproduction and lactation.

Practical Examination.

(a) Animal Anatomy.

Candidates will be required to show a knowledge of the human skeleton, to dissect and to examine microscopically the animals named in the foregoing syllabus, to prepare simple tissues for microscopic examination, and to identify prepared slides of tissues and organs of the body.

(b) Physiology.

Chemical Physiology : The same as for 1934.

Experimental Physiology : *Delete* "Simple experiments about accommodation and blind spot. Optical illusions".

The rest as for 1934.

Add to the books suggested for 1934 "A First Course in Human Physiology, by G. Norman Meachen".

GEOLOGY.

For 1934.

The crust of the earth ; composition and general characters of the lithosphere, hydrosphere and atmosphere. The geological action of underground water, rivers, ice, snow and rain, of the sea and of plants and animals ; weathering. Volcanic action, volcanic cones and their varieties. Earthquakes and other earth-movements. The general characters and composition of the

common types of rocks, aqueous, igneous and metamorphic. Forms of stratification ; proofs of the original horizontality of strata ; features produced during deposition ; formation of concretions, joints and other structures ; bending, folding and other subsequent changes in strata. Outcrop, dip and strike : faulting. Denudation and the surface features consequent upon it. Unconformity and overlap. Modes of occurrence of plutonic and volcanic rocks and the structures observed in them. Thermal and dynamic metamorphism. Mineral veins and ore deposits. The drawing of simple geological sections.

Fossils, their nature and mode of preservation ; derived fossils ; use of fossils in distinguishing between marine and freshwater strata. Meaning of the terms variety, species, genus, family, order, etc., extinct forms ; faunas and floras ; chronological use of fossils ; general characteristics of the forms of life in the Palaeozoic, Mesozoic and Cainozoic eras, respectively. The order of succession of the geological systems and their British and Indian representatives ; the correlation of isolated formations. Types of mountains, drainage systems, and other physical features with special reference to India. An elementary knowledge of Indian Stratigraphy.

The crystalline systems and their symmetry ; the common crystal forms and their combinations ; the principles of crystallographic notation. Physical properties and chemical composition of the following minerals :—

Quartz and its varieties, Felspar, Mica, Amphibole, Pyroxene, Garnet, the Zeolites, Chlorite, Olivine, Zircon, Beryl, Epidote, Tourmaline, Kyanite, Serpentine, Talc, Kaolin.

Diamond, Graphite, Sulphur, Gold, Silver, Iron, Copper, Platinum, Galena, Zinc Blende, Cinnabar, Stibnite, Chalcoppyrite, Pyrite, Orpiment, Argentite, Corundum, Haematite, Limonite, Cassiterite, Rutile, Spinel, Chromite, Magnetite, Bauxite, Calcite, Dolomite, Magnesite, Siderite, Araganite, Malachite, Borax, Apatite, Halite, Fluorite, Barytes, Gypsum.

Practical.—Determination of the hardness and fusibility of minerals ; determination of Specific Gravity of minerals and rocks by Specific Gravity bottle, Walker's and Jolly's balances and the Pycnometer ; Separation of mineral grains by density.

Determination of optical properties in thin sections of the principal rock forming minerals (Quartz, Felspars, Muscovite, Biotite, Hornblende, Angite, Olivine, Garnet, Tourmaline, Calcite, Serpentine) ; Megascopic descriptions of the principal types of igneous, sedimentary and metamorphic rocks ; Microscopic examination in thin sections of the simpler types of these rocks illustrative of structure and mineralogical composition ; Field tests for determination of the Chemical Composition of the easy minerals. Recognition and description of typical fossils. Interpretation of simple geological maps and sections.

Candidates must present Note-books containing their original notes of laboratory and field work performed in the course of their studies. These notes are to be dated by the student and initialled by the teachers.

The following books are suggested :-

Rutley	..	Elements of Mineralogy (Murby).
Smith	..	Minerals and the Microscope (Murby).
A. Geikie	..	Class Book of Geology.
„	..	Elementary Lessons in Physical Geography.
Gardiner	..	Geology (John Murray).

For reference—Wadia : Geology of India (Macmillan).

Note.—This outline is intended to show the general scope of the examinations, but examiners should not be precluded from setting questions upon portions of the subject of similar character and standard to those indicated.

For 1935.

Delete : “ The crust of the earth Indian Stratigraphy ”.

Substitute : Rock weathering by the atmosphere, the influence of running water, lakes, springs, ice, sea, plants and animals in geological changes and how they are recorded.

Igneous action : Volcanoes, their distribution, character of eruptions, volcanic products, volcanic vents, dykes, necks, fissure eruptions, different kinds of volcanic cones, field characteristics of lava, flows, fuma roles, causes of volcanic eruptions, boss, laccolite, sills.

Earthquakes : Their causes and geological effects, proofs of secular upheaval and subsidence.

The rocks of the earth's crust—igneous, sedimentary and metamorphic ; their general characters ; texture, structure and mineral composition of the principal types of these rocks. Contact and dynamic metamorphism. Proofs of former shores, land surfaces, concretions, unconformity, overlap.

Consolidation of sediments, disturbance of their original horizontality, dip, strike, outcrop, folds, faults—normal reversed, over-thrust—hade, throw and heave of a fault ; joints, mineral veins.

Elementary knowledge of the hard parts of foraminifera, radiolaria, sponges, graptolites, corals, echinoids, crinoids, polyzoa, brachiopods, lamellibranchs, gastropods, nautiloids, ammonites, belemnites and trilobites.

Fossils : Conditions for the preservation of organic remains as fossils, fossilisation, chief value of fossils in geology ; order of succession of the stratified formations of the earth's crust ;

general characteristics of the fauna and flora of the Palaeozoic, mesozoic, cainozoic and quaternary eras and an elementary knowledge of the development of these eras in India.

Delete : "The crystalline systems.....notation".

Substitute : Crystal, crystal axes, planes, and axes of symmetry, classification of crystals into six systems, cube, octahedron, rhombic, dodecahedron, pentagonal dodecahedron, scalenohedron, rhombohedron, pyramid, prism, pinacoid, dome. Twinning axis and twinning plane. Physical properties of minerals—cleavage, fracture, hardness, colour, lustre, streak, specific gravity; double refraction and polarisation, isotropic and anisotropic minerals, pleochroism, polarisation colors, extinction.

The rest as for 1934.

AGRICULTURE.

For 1934 and 1935.

The following syllabus and courses of reading are prescribed :—

Botany.—

Macroscopic and microscopic structure of roots, stems and leaves.

Functions and modifications of roots, stems and leaves.

The structure of a typical flower and the modifications of the type.

The inflorescence and its chief types.

The structure and the development of the seed.

The principal types of fruits.

The dispersal of seeds and fruits.

Spirogyra, Ulthorix, Pythium, Ustilago, Puccinia and Fern.

The classification of the flowering plants and study of the characters of the following families of which types for illustration are to be taken as far as possible from field and garden crops and weeds.

Graminaceæ, Ranunculaceæ, Cruciferae, Caryophyllaceæ, Malvaceæ, Leguminosæ, Cucurbitaceæ, Solanaceæ, Compositæ.

The following types to be used in the study of the families and special attention to be paid to these types :—

Graminaceæ.—Wheat, Oat.

Ranunculaceæ.—Ranunculus.

Cruciferae.—Brassica.

Palmaceæ.—Date Palm.

Caryophyllaceæ.—Silene.

Malvaceæ.—Gossypium.

Leguminosæ.—Lathyrus.
Cucurbitaceæ.—Cucurbita.
Solanaceæ.—Solanum.
Compositæ.—Sun flower.

Books as for Intermediate Botany.

Practical Examination.

In the practical examination in Botany candidates will be required to examine microscopically, to dissect and describe specimens of plants included in the above syllabus.

Zoology.—

Distinctive properties of living matter or protoplasm.

Structure and life-history of *Amoeba*, *Trypanosoma* and the Malarial parasite.

General account and the systematic position of the Arthropoda.

The Cockroach as type of the Insecta. Distinguishing features of the principal groups of Insects.

Life-history, habits, nature of damage and control of the common insect pests in the Punjab.

Insecticides, their preparation and application.

The Rabbit as type of the Mammalia. Elements of vertebrate histology and physiology.

General Survey of the Ungulata.

Sexual reproduction. Elementary facts of fertilisation, segmentation and formation of tissues.

Practical Examination.—

Microscopical examination of *Amoeba*, *Trypanosoma* and the Malarial parasite.

Dissection of cockroach.

Examination of stages in the life-history of butterfly.

Examination of the more common insect pests in the Punjab.

Preparation and use of insecticides.

Dissection of rabbit, and of heart and eye of sheep.

Examination of the skeleton of rabbit, and of the appendicular skeletons of horse, ox and sheep.

The following book is recommended :—

Wells and Davis: Text-book of Zoology (University Tutorial Press).

Elementary Agriculture.—

I. *Introductory.*

(a) Brief history of the Agricultural Development.

(b) General description of Agriculture of the Province, relationship to other industries.

II. *Soils*.—Brief study of the formation of Punjab soils, Classification, Physical and Chemical properties ; Productivity ; how modified by Agricultural operations.

III. *Soil Moisture*.

- (a) Forms in which moisture is held, movement and distribution, effect of agricultural operations ; water-retaining capacity of different soils.
- (b) *Disposal* of rain water, surface and sub-soil drainage, evaporation, transpiration and how to check or *minimise* the losses from above, dry farming and crop-producing power of rainfall.
- (c) *Irrigation* water-cost of dry matter and how to lower the same effect of increased irrigation upon various parts of plants, best time of irrigation, general principles underlying irrigation of crops including fruits ; flooding and furrow irrigation, their suitability under different conditions ; Persian wheels versus pumps and relative cost of each, general information about the canal system including measurement and cost of water.
- (d) *Over-irrigation* and its effects : water-logging, formation of alkalies, methods of control and eradication, alkali resistant crops.

IV. *Plant food materials in soils* : total and available, how made available by agricultural operations.

V. *Manures* : Objects of manuring, natural and artificial manures, general composition, methods of application, their efforts upon soil, use of artificial fertilisers in India ; farm yard manure, modern system of collection, storage in pits, prevention of loss of valuable ingredients, factors determining the value of manure, nitrification and decay ; green manuring.

VI. (a) *Farm crops*.—General information about important crops, method II of cultivation, soil, climate and water requirement of each.

(b) Important fruits and vegetables, suitable climates and soils, preparation of seed bed, manuring, planting, after cultivation, irrigation, different methods of propagation, pruning, spraying, harvesting and packing of fruits, fields and returns.

VII. Rotation of crops, why essential. Rotations found best in the Punjab.

VIII. Improvement of crops by seed selection.

IX. Marketing facilities in the Punjab.

Practical Work.

1. The use and mechanics of farm implements ; such as furrow turning ploughs, drills, harrows, cultivators, etc.

2. Every student will grow important vegetables. In addition to this there would be a crop demonstration area where important crops and vegetables would be growing and the students would note every operation performed there.

3. Identification of different types of soils, determination of their moisture capacities, simple experiments to illustrate the effect of mulch in preventing evaporation.

4. Practice in seed selection in the field in case of important crops, vegetables and fruits.

5. Tours to important agricultural stations in the Province.

Books recommended :—

1. Text-book of Punjab Agriculture by Roberts and Faulkner (Civil and Military Gazette Press).
2. Soil Management—King (Orange Judd Company).
3. Principles of Agriculture—L. H. Bailey (Macmillan).
4. Principles of Irrigation Practice—J. A. Wadstoe (Macmillan).

Courses of Reading for the B.Sc. Examination of 1934 and 1935.

Science Faculty.

*ENGLISH.

For 1934.

David Copperfield by Dickens (Everyman's Library). Price 2s.

Modern English Essays by Mrs. Barnes (Rai Sahib M. Gulab Singh and Sons). Price Re. 1-12-0.

English Prose of Our Time (Nelson). Price 1s. 6d.

Strife by John Galsworthy (William Duckworth). Price 2s. 6d.

†Short Stories of To-day (Harrap) (*omitting* the first story). Price 2s. 6d.

For 1935.

Pendennis by Thackeray (Everyman or Collins).

Modern English Essays by Mrs. Barnes (R.S. Munshi Gulab Singh and Sons). Price Re. 1-12-0.

* A candidate has the option of taking up either these courses of reading or all the courses prescribed for the B.A. Examination.

† The 1928 and 1929 editions are identical except the first story which is not prescribed.

English Prose of Our Time (Nelson). Price 1s. 6d.

One-Act Plays of To-day. First Series (Harrap).

*Short Stories of To-day (Harrap) (*omitting* the first story).
Price 2s. 6d.

Honours Papers.

The same as for the B.A. Examination.

PHYSICS.

For 1934 and 1935.

An elementary knowledge of the *Calculus* is necessary.

Mechanics and Properties of Matter.—Modern Concepts about Matter and Energy; Dissipation and Availability of Energy; Units and Dimensions; the Balance; Motion in a Circle; Simple Harmonic Motion; Simple and Conical Pendulums; Kinetic Energy and Work; Moments of Inertia; Kinetic Energy of a Rotating Body; Rolling Friction; Torsional Vibrations; the Compound Pendulum; Determination and Properties of the Constant of Gravitation; Young's Modulus; Bulk Modulus; Modulus of Rigidity; Surface Tension; Viscosity of Liquids and Gases; Elementary treatment of Phenomena of Diffusion and Osmosis; Osmotic Pressure; Barograph.

Sound.—Nature of Wave Motion; Longitudinal and Transverse Vibrations; Stationary Waves; Combinations of Vibrations at Right Angles to each other; Distribution of Velocity and Pressure in Sound Waves; Calculation of Velocity of Waves in Gases and on Stretched Strings; Effect of Temperature on the Velocity; Reflection and Refraction of Sound Waves; Doppler Effect; Forced and Free Vibrations; Resonance; Harmonics of Strings and Air Columns; Quality of Sound; Analysis of Compound Notes; Ratios of the Frequencies of the Important Musical Intervals; Musical Scales; Temperament; Interference of Sound; Beats; Explanation of Consonance and Dissonance; Combinational Tones; Determination of the Frequency of a Tuning Fork; Kundt's Tube.

Heat.—Measurement of High and Low Temperatures; Thermographs; Expansions of Crystals; Gas Thermometry; Specific Heat of Water; Specific Heats of Gases; Calorific Values of Fuels; Ice and Steam Calorimeters; Connection between Pressure and Melting and Boiling Points; Liquefaction of Gases; Conduction; Radiation including Prevost's Theory of Exchanges and Stefan's Law; Kinetic Theory of Matter giving Simple Con-

* The 1928 and 1929 editions are identical except the first story which is not prescribed.

ceptions of the Solid, Liquid and Gaseous States ; Explanations of Change of State ; Latent Heat, Vapour Pressure, etc. ; Derivation of Gaseous Laws and Van der Waal's Equation ; Critical State ; Porous Plug Experiment ; the Mechanical Equivalent of Heat and its Determinations ; Isothermals and Adiabatics ; Relation between the Specific Heats of Gases ; Carnot's Cycle ; Second Law of Thermodynamics ; Heat Engines ; Absolute Scale of Temperature.

Light.—Refraction from Spherical Surfaces and through a Lens ; Combination of two thin Lenses in Contact and at a Finite Distance Apart ; Spherical and Chromatic Aberrations ; Achromatic Combination of Lenses ; Direct Vision Spectroscope ; Telescopes and Microscopes, their Magnifying Power and Simple Ideas about their Resolving Power ; Eyepieces, Ramsden's and Kellner's ; Periscope ; Elementary Theory of the Rainbow ; Measurement of Refractive Index ; Spectrum Analysis ; Absorption and Emission Spectra ; Velocity of Light ; the Wave Theory of Light ; Simple Cases and Simple Applications of Interference ; the Colours of Thin Plates ; Diffraction at a Straight Edge, Slit and Wire ; Diffraction Grating ; Plane Polarisation ; Double Refraction ; Circular and Elliptical Polarisation ; Polarimetry.

Magnetism and Electricity.—Laws of Magnetism ; Terrestrial Magnetism ; Magnetic Force and Potential ; Dia-, Para-, and Ferro-Magnetism ; Magnetic Flux ; the Magnetic Circuit ; Intensity of Magnetisation ; Permeability and Susceptibility ; Hysteresis ; Magnetic Shells ; Theories of Magnetism ; Laws of Electrostatics ; Gauss's Theorem and its Simple Applications ; Electric Intensity ; Capacity and Energy of Charge of Condensers ; Simple Theory of Electrostatic Potential ; Electrometers ; Specific Inductive Capacity ; Electrostatic Units ; Atmospheric Electricity ; Theory of the Voltaic Cell ; Magnetic Field due to Current Circuits ; Ohm's Law and its Applications ; Electromagnetic and Practical Units ; Electro-dynamics ; Measuring Instruments ; Electrical Measurements ; Chemical Effects of Currents ; Thermo-electricity ; Electric Energy, its Distribution and Measurement ; Self and Mutual Induction ; Alternating Currents (single, two or three phases) ; Choke Coil ; Rotating Magnetic Fields ; Direct and Alternating Currents ; Dynamos and Motors ; Transformers ; Relationship between Electromagnetic and Electro-static Units ; Production and Properties of Electromagnetic Waves ; Triode (Thermionic) Valves as Detectors, Amplifiers and Generators of Electric Oscillations ; Simple Wireless Circuits ; the Electromagnetic Theory of Light ; Simple Ideas about Zeeman effect ; Conduction of Electricity through Gases ; Cathode Rays ; Positive Rays ; Simple facts about Photo-electricity and Photo-electric Cells ; X-rays, their Nature and Properties ; Characteristic X-rays ; Radio-activity ; Structure of the Atom.

Practical.—Spherometer ; Measurement of Curvature and Thickness ; Calibration of a Capillary Tube ; Determination of Specific Gravities of Solids and Liquids with utmost possible Accuracy ; Determination of “ g ” by the Reversible Pendulum ; Determination of Young’s Modulus and of Modulus of Rigidity ; Measurement of Surface Tension ; Frequency of a Tuning Fork by Sonometer.

The use of the Constant Volume and Constant Pressure Air Thermometers.

Determination of Specific Heat of Liquids and Latent Heat of Steam by the method of Mixtures.

The Verification of Newton’s Law of Cooling.

Determination of the Coefficient of Linear Expansion of a Rod.

Determination of the Coefficient of Dilatation of a Liquid by the Specific Gravity Bottle.

Measurement of Focal Lengths of Concave and Convex Mirrors and Lenses.

Measurement of Angles with the Sextant.

Measurement of the Magnifying Power of a Telescope.

The Spectrometer.

Determination of Diffraction Grating Constant.

Measurement of Rotatory Power by the Shadow Polarimeter.

Determination of H.

Electrical Resistance by Post Office Box.

To check the accuracy of an Ammeter by means of a Voltmeter and also by a Tangent Galvanometer.

The Comparison of E.M.F.s by the Lumsden’s and Potentiometer Methods.

The Conversion of a Pointer Galvanometer into a Voltmeter and an Ammeter.

Determination of the Reduction Factor of a Tangent Galvanometer.

Determination of the Electro-chemical Equivalent of Hydrogen using an Ammeter.

Measurements of High Resistances and Capacities by Deflection Methods.

To set up a Valve as an Oscillator.

The student is expected to know the use of a Galvanometer, with Lamp and Scale or with a Telescope.

The following books are suggested :—

Watson’s Text-book of Physics. Books I and IV (Longmans).

Capstick’s Sound (Cambridge University Press).

Edser’s Heat.

Draper’s Heat.

Hart’s Heat for Advanced Students (G. Bell and Sons).

For reference :—

Wagstaff's Properties of Matter.

Hutchinson's Intermediate Text-book of Magnetism and Electricity (Univ. Tut. Press), *omitting* sections 27, 28, 86-88, 97, 146, 161, 187, 188, 192, 193, 213, 219-221, 233, 249, 261-263, 267, 268, 276.

For Practical Work :—

Harrison's Practical Physics (Longmans).

Allen and Moore's Practical Physics (Macmillan).

College Physics by Knowlton (published by McGraw Hill) is recommended for general study of the students.

In the practical examination, candidates must present Note-books containing the original data and a concise account of each experiment, dated and initialled by their Professor.

Note.—This outline is intended to show the general scope of the examinations, but examiners shall not be precluded from setting questions upon portions of the subjects of similar character and standard to those indicated.

PHYSICS : HONOURS PAPERS.

For 1934 and 1935.

The three-paper Honours course in Physics will include the pass syllabus though treated more fully and with special reference to practical applications, and will include an introductory course in modern developments.

The practical work will include in addition to those of the pass course a number of special experiments.

SYLLABUS.

Theoretical.

Paper I.

Steam and internal combustion engines, aeroplanes and air-ships, Gyrostat.

Theory of probability, Maxwell's Law of distribution of molecular velocities, relation between mean square, mean and probable velocities of molecules, molecular mean free path, collisions, Brownian movements, viscosity, specific heats of gases, Gaede and diffusion pumps, and McLeod gauge.

Michelson's interferometer and its uses including applications in Astronomy, colour photography.

Spectroscopy ; emission and absorption spectra, scattering of light and Raman effect, spectral series, distribution of energy in black body radiation.

Auroras, lightning and electric condition of the atmosphere, ionisation currents, cathode rays, positive rays, mass spectrograph.

Paper II.

Construction, operation and characteristics of series, shunt and compound wound motors and dynamos ; efficiencies of electrical machines, copper and iron losses ; simple a.c. generators motors, transformers, electric furnaces and power meters.

Emission of electrons from hot filaments, work function, characteristic curves, space charge, thermionic valves and their uses. Oscillatory circuits, resonance, frequency radiation, spark, arc, and valve transmitters of wireless signals, simple broadcast transmitters and receivers, valve amplifiers.

Photo-electric effect relation between velocity of emitted electrons and the frequency of incident light, failure of classical theory of light, quantum theory, Planck's constant " h " and its determination.

X-rays ; history, production, types of tubes, high tension current rectifiers, ionisation of gases by X-rays ; electroscopes, ionisation chamber and electrometer, photographic effect, fluorescence, nature of X-rays, number of electrons in an atom, Compton effect, absorption scattering and reflection of X-rays, determination of wavelength, emission and absorption spectra, Moseley's Law, atomic number, radiography, examination of metal castings, and crystal analysis of simplest type.

Radioactivity, history, radioactive series, transformation hypothesis, half valve periods, position of elements in the periodic table, isotopes, radioactive rays and their properties, Wilson tracks, measurement of radioactivity, special electroscopes, counters, structure of atomic nucleus, age of minerals and of the earth.

Practical.

In the practical, in addition to those of the pass course, the following experiments shall be included :—

Measurement of wavelength of light by diffraction grating and biprism ; measurement of refractive index by total reflection ; calibration of spectroscope ; spectrum analysis ; calibration of thermocouple ; measurement of capacities ; low resistances and insulation resistances by Galvanometer ; mechanical equivalent of heat by electrical method ; characteristic curves of thermionic valves ; measurement of radioactivity.

A report of each of the above experiments is to be written in a special note-book and initialled by the instructor in charge.

This report should include the date and a discussion of the method, the nature and magnitude of the errors of individual observations and their effect on the final result.

The following reference books are suggested :—

1. Duncan's Applied Mechanics.
2. Bloch's Kinetic Theory of Gases.
3. Principles underlying Radio communication, U.S. Signal Corps Pamphlet 40.
4. Crowther's Ions, X-rays and Ionising Radiations.
5. Houstoun's A Treatise on Light.
6. Michelson's Light Waves and their Uses.

CHEMISTRY.

For 1934.

Physical.—Atomic and Molecular Theories ; Valency including an elementary treatment of the electronic theory. Methods of determining Atomic and Molecular Weights ; Laws of Chemical Action ; General properties of Solids, Liquids and Gases ; Nature of Solution including colloidal solutions ; The Phase Rule ; Electrochemistry and the Dissociation Theory ; Mass Action, Velocity of Chemical Action and Catalysis. Thermochemistry ; The elements of the study of Radioactivity and its bearing on the structure and disintegration of atoms. Arithmetical Problems relating to Chemical Theory.

The Course will be illustrated by the following experiments :—

1. Determination of B.Pt. of a pure liquid.
2. Determination of B.Pt. of a solution in the above solvent and hence to find the apparent mol. weight of the solute.
3. To find the solubility of acids (sparingly soluble) by titration method.
4. To find the distribution coefficient of an acid between two non-miscible solvents.
5. To find the heat of neutralisation of acid with alkali.
6. To find the heat of ionisation of acetic acid.
7. To find the molecular weight of CO_2 .
8. Calibration experiments.
9. To study the saponification of N/60 ethyl acetate by means of N/30 NaOH and determine the value of the velocity constant K.
10. To determine the velocity constant K for hydrolysis of ethyl acetate by N/2HCL.
11. To study the action between KL (N) solution and N/10 $\text{K}_2\text{S}_2\text{O}_8$, and the velocity constant and order of reaction for the same.
12. To determine the solubility of Benzoic Acid and Salicylic acid at different temperatures in water.

13. Determination of molecular weight of water by Victor Meyer's Method.
14. Determination of the B.P. and molecular elevation constant with cane-sugar and hence to determine the molecular weight and degree of dissociation of NaCl by noting the elevation of the boiling point of the solvent.
15. Determination of the depression in the melting point of naphthalene by introducing a known weight of acetanilide in it and from it calculating the molecular weight of the solute.
16. Determination of the density of KClO_3 solution at different temperatures by means of specific gravity bottle.
17. To determine the transition temperature of Glauber's salt.
18. To determine the value of velocity constant for hydrolysis of 1% solution of cane-sugar at the temperature of boiling water in presence of 1 c.c. of the given acid in 100 c.c. of the solution.

Inorganic.—The Occurrence, Preparation and Properties of the elements and their chief compounds—excluding the Rare Metals—treated especially with regard to the Periodic Classification; Outlines of the Main Metallurgical Processes treated non-technically.

Organic.—The Modes of Occurrence, Preparation, General Characters and Constitutional Formulae of the Paraffins, Olefines and Acetylenes; their Haloid Derivatives, Alcohols, Etheral Salts, Ethers, Aldehydes, Acids, Ketones, Amines, Amides; Compounds of the Alcohol Radicals with Sulphur, Nitrogen, Phosphorus, Arsenic, Silicon; the Organo-Metallic bodies; The Carbohydrates: Cyanogen compounds; Urea; Purine and its simple derivatives; Furfurane, Pyrrol and Thiophene; The Aromatic Hydrocarbons and their principal derivatives; Malachite Green, Rosaniline, Pararosaniline and Phenolphthalein, Naphthalene, Anthracene, Phenanthrene and their principal derivatives; Pyridine, Quinoline and Isoquinoline; Coniine, Nicotine and Atropine Stereoisomerism.

Practical Work—Inorganic Preparations:—

Qualitative Inorganic Analysis.—Not more than six radicals shall be given in a single substance for analysis. Rare elements are excluded from the course.

Volumetric Analysis:—

Organic.—Determination of melting and boiling points. Determination of the elements in a compound. Preparation of

ethylene, ethylene dibromide, iodoform, ether, ethyl acetate, oxalic acid, nitrobenzene, aniline, acetanilide.

Gravimetric estimation of calcium, barium, magnesium, aluminium, iron, carbonate, sulphate chloride and water of crystallisation.

Notes.—Instructions shall be given to Examiners in Practical Chemistry that a description of the method of preparation of both inorganic and organic compounds may be given to the candidates at the time of the examination.

In the Practical Examination, candidates must present Note-books containing their original notes on experiments performed in the course of their studies. The Note-books must be written up in the Laboratory and each exercise dated and initialled by the Professor or Lecturer in charge of the class.

Examiners shall place an increasing emphasis upon the original Laboratory Note-books of the candidates.

The scope and standard of the practical work involved is given in Practical Chemistry : Bruce and Harper (Macnullan).

The following books are suggested :—

Modern Inorganic Chemistry by J. W. Mellor.

A Text-book of Organic Chemistry by Perkin and Kipping (Chambers).

Theoretical Organic Chemistry by J. B. Cohen (Macmillan and Co.).

Outlines of Physical Chemistry by G. Senter (Bell and Co.).

A Text-book of Inorganic Chemistry by J. R. Partington.

For 1935.

Syllabus : The same as for 1934.

Courses of reading : All recommended books deleted.

TECHNICAL CHEMISTRY.

Theoretical :—

(a) A general knowledge of manufacturing methods and processes such as, filtration, sublimation, distillation, crushing, calcination, etc.

(b) A detailed study of the following industries :—

Acids and alkalies.

Sugar and Sugar refining.

Oils and Soaps.

Leather.

Dyes and Dyeing.

(c) A study of the general principles of the manufacture of glass, paper, paints and pigments, cement, chemical fertilisers, starch, glucose and matches together with a general idea of the machinery used.

(d) Outlines of :—

- Factory location and design.
- Power generation and transmission.
- Water supply and purification.
- Machine design.
- Factory organisation.

Books suggested, *omitting* portions not included in the Syllabus :—

“ Industrial Chemistry—A Manual for the Student and Manufacturer ” by Allen Rogers.

Or, Industrial and Manufacturing Chemistry, Organic, by G. Martin.

Industrial and Manufacturing Chemistry, Parts I and II, Inorganic.

Laboratory Guide of Industrial Chemistry, Allen Rogers (Constable and Co.).

Practical —

A study of the manufacture of heavy chemicals and a detailed study of any two of the following :—

- (1) Sugar and Sugar refining.
- (2) Oils and Soaps.
- (3) Dyeing.
- (4) Leather tanning and finishing.

In each case the study is to include special emphasis on the analytical methods necessary for proper chemical control of the process and of the purity of raw material, and finished product. The analytical side is to be increasingly emphasised.

Essay as at present.

BOTANY.

For 1934.

Histology.—The structure of the cell ; the origin and growth of the tissues, the primary tissues and their distribution ; the secondary tissues of the flowering plants ; the distribution of the mechanical tissues.

Organography.— The morphological differentiation of the plant body in the main groups of the vegetable kingdom ; the morphology of the shoot and root in the Pteridophytes and Spermatophytes ; the phenomenon of alternation of generations and the

homologies in the stages of the life-history of the Archegoniates and the Spermatophytes.

Physiology.—Turgidity and Tension of Tissues ; the Physiology of Nutrition, Respiration, Growth and Reproduction ; the Phenomena of Movements.

Systematic.—The Systematic Morphology and Physiology of the following groups :—

Algæ :—Schizophyceæ, Chlorophyceæ, Characeæ, Phaeophyceæ ; Rhodophyceæ ; Fungi, Bacteria :—Phycomycetes, Ascomycetes, Basidiomycetes, Lichens ; Bryophytes :—Hepaticæ ; Musci ; Pteridophytes :—Filicales Equisetales, Lycopodiales ; Cycadales ; Coniferales.

Angiosperms :—Gramineæ, Palmae, Araceæ, Liliaceæ, Orchidaceæ, Salicaceæ, Chenopodiaceæ, Caryophyllaceæ, Ranunculaceæ, Papaveraceæ, Cruciferae, Rosaceæ, Leguminosæ, Rutaceæ, Euphorbiaceæ, Malvaceæ, Cactaceæ, Umbelliferae, Asclepiadaceæ, Convolvulaceæ, Labiatae, Solanaceæ, Cucurbitaceæ, Compositæ.

The taxonomic relations of these according to the system of Engler and Pranti as given in "Naturalische Pflanzenfamilien".

The candidates will be required to possess a good acquaintance with the following representative types in addition to those fixed for the Intermediate :—Oscillaria ; Nostoc ; Hamatococcus ; Volvox ; Pediatrum ; Coleochaete ; Oedogonium ; Cosmarium ; Closterium ; Zygnema, Botrydium Vaucheria ; Caulerpa ; Cladophora ; Chara ; Ectocarpus ; Fucus ; Dictyota ; Batrachospermum ; Pythium ; Aspergillus ; Humaria ; Ustilago ; Puccinia ; Polyporus ; Agaricus ; Riccia ; Porella ; Anthoceros ; Equisetum ; Selaginella ; Marsilia ; Cycas ; Taxus.

The representative types of the families of the Angiosperms to be taken so far as possible from the Punjab Flora. Some knowledge of plants of economic importance of the above families would be expected.

The candidates must also possess a knowledge of the fundamental principles of Heredity, Variation and Evolution and of the more important facts of Ecology as illustrated particularly by the local flora.

Practical Examination.

The practical examination will embrace (a) examination and description of microscopic specimens ; (b) examination and description of plants or parts of plants ; (c) identification of specimens ; (d) preparation of specimens and tissues for microscopic examination ; (e) microscopic technique ; (f) fundamental experiments in physiology.

The following books are suggested :—

Coulter, Barnes and Cowles—Text-book of Botany, 2 vols.

Bower—Botany of the Living Plant.

Gager—Heredity and Evolution in Plants.

Strasburger—Text-book of Botany.

Kashyap—Practical Botany.

Macdougall—Plant Ecology.

* Candidates will be required to submit at least one plant of each family of Angiosperms, properly mounted and named, at the time of examination.

Candidates will be required to submit their original Note-books, initialled and dated by their Professors, of their laboratory work (drawings, etc.), at a date previous to the examination (which will be fixed subsequently) in order that these may be taken into account in determining the results of the examination.

Note.—This outline is intended to show the general scope of the examination, but examiners should not be precluded from setting questions upon portions of the subject of similar character and standard to those indicated.

For 1935.

Delete the words “2 vols.” from against “Coulter, Barnes and Cowles—Text-book of Botany”.

The rest as for 1934.

ZOOLOGY.

For 1934.

The Animal Cell; Asexual and sexual Reproduction; the principles of Classification; Heredity, Variation and Evolution. Geographical distribution of animals.

The structure, habits, development, classification and ecology of the following groups :—Protozoa, Porifera, Coelenterata, Platyhelminia, Nemertini, Nematoda, Annelida, Rotifera, Polyzoa, Echinodermata, Arthropoda, Mollusca, Hemichordata, Urochordata, Cephalochordata, Craniata. A detailed study of the types enumerated in the practical course.

General principles of embryology as illustrated by the Chick and Frog, and distinctive features in the development of Rabbit.

Practical Examination.

Candidates will be required to show a knowledge of the methods of microscopic technique, and to examine, dissect or describe the following animals and skeletons, in addition to those prescribed for the Intermediate Examination :—

Monocystis, Obelia, Nereis, Leech, Asterias, Prawn, Anopheles, Scorpion, Freshwater Mussel, *Ampullaria*, Amphioxus, Lizard, Columba; the skeletons of representatives of each class of the vertebrata.

The following books are suggested :—

- Parker and Haswell : Text-book of Zoology (Macmillan).
- Shipley and Macbride : Text-book of Zoology (Camb. Univ. Press).
- Marshall and Hurst : Practical Zoology (Smith Elder).
- Borradaile : Manual of Zoology (Oxford University Press).
- Dendy : Outlines of Evolutionary Biology.
- Borradaile : The Animal and its Environments (Henry Frowde and Hodder and Stoughton).
- Dakin : Elements of General Zoology (Oxford University Press).

Candidates will be required to submit the original Note-books, initialled and dated by their Professors, of their laboratory work (drawings, etc.), at a date previous to the examination (which will be fixed subsequently) in order that these may be taken into account in determining the results of the examination.

Note.—This outline is intended to show the general scope of the examinations, but examiners should not be precluded from setting questions upon portions of the subjects of similar character and standard to those indicated.

For 1935.

For "Platyhelminthes" insert "Platyhelminthes".

For "Nematoda" insert "Nemathelminthes".

For "Hemichordata, Urochordata, Cephalochordata, Craniata" insert "Chordata".

For "General principles of embryology as illustrated by the Chick and Frog, and distinctive features in the development of Rabbit" insert "Embryology as illustrated by the Chick, Frog and Rabbit".

For "Monocystis, Obelia, Nereis, Leech, Asterias, Prawn, Anopheles, Scorpion, Freshwater Mussel, Ampullaria, Amphioxus, Lizard, Columba; the skeletons of representatives of each class of the vertebrata" insert "Monocystis, Aurelia, Nereis, Leech, Asterias, Prawn, Nopheles, Scorpion, Freshwater Mussel, Pila (Ampullaria), Amphioxus, Lizard, Columba. The skeletons of representatives of each class of Craniata".

The rest as for 1934.

PHYSIOLOGY : 1934 AND 1935.

The General Histology of the Animal Cell, and the Structure ; Chemical composition and Functions of the Tissues of man and animals ; the Blood and Lymph ; the circulation of the blood and lymph embracing the mechanics of the circulation of the blood and of the movement of the lymph ; the Innervation and Nutrition of the Heart ; and the Innervation of the Blood-vessels ; the Physiology of Respiration ; the Chemistry of Digestion and Nutrition ; the Physiology of Absorption, Excretion, Metabolism and Dietetics ; Animal Heat ; the General Physiology of Muscle and Nerve ; Electro-Physiology ; the Structure, Development and Functions of the Central Nervous System ; the Structure and Functions of the Organs of Sense ; Reproduction ; the Chemistry of the Animal body.

In the oral and practical examination candidates will be examined in the above subjects, and will be practically tested in Histology, Physiological Chemistry, and the construction and use of Physiological Apparatus and will be required to show a knowledge of Experimental Physiology.

Candidates will be required to submit their original Note-books, initialled and dated by their Professors, of their laboratory work (drawings, etc.), at a date previous to the examination (which will be fixed subsequently) in order that these may be taken into account in determining the results of the examination.

The following books are suggested :—

Howell's Text-book of Physiology (Rebman).

Halliburton's Text-book of Physiology (Murray).

Starling: Principles of Human Physiology (J. and A. Churchill, London).

For the Practical part—

Schafer's Essentials of Histology (Smith Elder).

Starling's Practical Histology (C. Griffin).

Halliburton's Essentials of Chemical Physiology and Starling's Practical Physiology (C. Griffin).

Schafer and Brodie's Experimental Physiology (Longmans).

Cole's Physiological Chemistry.

Note.—This outline is intended to show the general scope of the examinations, but examiners should not be precluded from setting questions upon portions of the subjects of similar character and standard to those indicated.

GEOLOGY.

For 1934.

Physical Geology.—Distribution of temperature in the earth's crust and the observation by which it is determined ; chemical

composition of the lithosphere; the general characters and composition of the hydrosphere; the composition and character of the meteorites. Solar System under Nebular hypothesis and Planetesimal hypothesis, density and rigidity of the earth, nature of the earth's interior.

Physical characters of continents, plateaux, mountain-ranges, river systems and the ocean basins. The geological processes and their action. Geological action of water, development of drainage systems, cycles of erosion. Rapid and slow movements of the earth's crust; causes of earth-movements; isostasy, fracture and faulting of rocks, origin and history of mountain-ranges. Volcanicity and theories of volcanic action; ore deposits—their classification and origin.

Mineralogy.—(i) In addition to those prescribed for the Intermediate course the study of the following mineral species:—Realgar, Molybdenite, Chalcocite, Greenockite, Millerite, Pyrrhotite, Niccolite, Bornite, Smaltite, Cobaltite, Marcasite, Arsenopyrite, Pyrrargyrite, Proustite, Tetrahedrite, Stephanite, Enargite, Sylvite, Cryolite, Carnalite, Cuprite, Zincite, Ilmenite, Pyrolusite, Brucite, Diaspore, Goethite, Manganite, Psilomelane, Franklinite, Chrysoberyl, Rhodochrosite, Smithsonite, Witherite, Strontianite, Cerussite, Azurite, Felspar group, Leucite, Pyroxene group, Amphibole group, Sodalite group, Nepheline, Garnet group, Scapolite group, Zircon, Topaz, Andalusite, Sillimanite, Calamine, Staurolite, Apophyllite, Heulandite, Stilbite, Chabazite, Analcite, Mica group, Sphene, Monazite, Apatite group, Boracite, Pitchblende, Columbite—tantallite, Baryte group, Alunite, Wolframite, Scheelite, Wulfenite.

[N.B.—Students are expected to be acquainted with the industrial applications of these mineral species.]

(ii) Crystallography: Laws of Crystallography; Form: Symmetry; Systems of notation; the 32 classes of crystals; the properties of Zones; the common twinning laws; imperfections of crystals.

(iii) Optical properties of Minerals; Methods of obtaining polarized light; Uniaxial and Biaxial crystals; Pleochroism; Interference colours; Extinction angles; Stauroscopes Optical sign.

Petrology.—The macroscopic and microscopic characters of the common types of rocks, their chemical composition, mineralogical constitution and distinctive structures. Magmatic segregation and differentiation; classification of igneous rocks; their secondary changes. Pneumatolysis, hydro-thermal changes, metasomasis, etc. Thermal and dynamic metamorphism; the formation of secondary minerals and structures.

Palaeontology.—The characters and affinities of the principal groups of fossils (Invertebrata), and their distribution in past

geological periods. Morphological characters of the more important orders of fossils.

Stratigraphy.—The leading features and characteristic fossils of the British and Indian formations. Division of the Indian stratigraphical scale into minor groups and their correlation to the European standard stratigraphical scale; special characters and features of the chief systems and series in the different parts of India. Physiographic features of India. Basis of chronology, evidence of fossils, physical evidence, diastrophism.

Practical Work.—Identification and description of rocks, minerals and fossils; of rock sections and their examination with the petrological microscope. Drawing of geological maps and sections. Identification of crystal systems and symmetry from models and natural crystals. Blow-pipe analysis of common minerals and ores.

In the practical examination, candidates must present Note-books containing their original notes of laboratory and field work performed in the course of their studies. These notes are to be dated by the student and initialled by the teachers.

Books suggested :—

- | | |
|---|---------------------------------------|
| A Text-book of Geology .. | Lake and Rastall (E. Arnold, London). |
| Geology of India .. | D. N. Wadia (Macmillan). |
| Aids in Practical Geology .. | G. A. J. Cole (Griffin). |
| Elements of Mineralogy | Frank Rutley. |
| (revised edition). | |
| Scott's Introduction to Geology (Macmillan). | |
| Fundamental Principles of Petrology by Weinschenk. (For Honours Students only.) | |

For 1935.

Under books suggested, *delete* "Fundamental Principles of Petrology by Weinschenk".

The rest as for 1934.

HONOURS PAPERS.

GEOLOGY.

For 1934.

Paper (a) General Geology, Mineralogy, Petrology.

Candidates for Honours in Geology will be required to show a fuller and more detailed acquaintance with the subject indicating more extended reading than pass men.

Paper (b) The special subject appointed for the year.

Special subject for 1934 : —

“The Geology of Poonch and adjacent portions of the Punjab.”

Reference : Mem., G.S.I., Vol. LI, pt. 2.

Paper (c) Field work and practical.

Add to what has been recommended for pass course :

In Practical : —

Determination of average index of refraction of mineral fragments ; determination of the character of double refraction of uniaxial and biaxial minerals ; measurement of crystal angles by reflection goniometer.

Books recommended : —

Memoir, G.S.I., Vol. XXXVI, Part I.

Palæontologia Indica dealing with spiti fossils.

Field Geology by Geikie (for field work).

For 1935.

Paper (a) Crystallography, optical properties, mineralogy, petrology.

Paper (b) General geology, palæontology and stratigraphy.

Paper (c) Field work and practical.

Candidates for Honours in Geology will be required to show a fuller and more detailed acquaintance with the subject indicating more extended reading than pass men.

Under books recommended —

Delete : —

Mem., G.S.I., Vol. XXXVI, Part I.

Palæontologia Indica dealing with spiti fossils.

Add : —

Text-book of Geology, Part I, by Longwell, Knoff, Flint.

Text-book of Geology, Parts 1, 2, by A. Geikie.

Invertebrate Palæontology by Woods.

Palæontology by Berry.

Text-book of Mineralogy by Dana (revised edition).

Crystallography and Practical crystal measurements by Tutton.

Principles of Petrology by Tyrrell.

Petrology for Students by Harker.

The rest as for 1934.

ASTRONOMY.

For 1934 and 1935.

The same Syllabus as for B.A.

MILITARY SCIENCE (OPTIONAL).

For 1934 and 1935.

The same Syllabus as for B.A.

AN INDIAN VERNACULAR (OPTIONAL).

For 1934 and 1935.

The same Syllabus as for B.A.

HUMAN ANATOMY.

For 1935.

The structure and development of the human body as required for the First M.B.B.S. Examination. Candidates are also required to show a knowledge of the elements of Comparative Vertebrate Anatomy and acquaintance with modern conceptions of human evolution and Physical Anthropology of the modern human races.

In the oral and practical examination candidates will be required to dissect out parts of the human body and to examine and describe microscopic sections of some typical Mammalian embryo.

Candidates are required to produce certificate that they have dissected the whole human body to the satisfaction of the Professor, and have attended a course of lectures on Human Anatomy, and practical classes in Mammalian Embryology.

Courses of Reading prescribed for the Honours Schools Examinations.

ENGLISH.

For 1934 and 1935.

	<i>Marks.</i>
<i>Paper</i> (A) On two prose books out of four prescribed for paper (A) in English of B.Sc. (Pass) Examination	50
(B) With special reference to dictation and spelling, grammar, punctuation, correct and idiomatic use of words, letter-writing, paraphrasing, precis-writing, description of objects and phenomena and essay-writing	50
(C) On translation from Vernacular into English, writing of reports, and taking down notes concisely	50
	150

Books prescribed for Paper A :—

For 1934.—

- (i) Modern English Essays by Mrs. Barnes (Rai Sahib M. Gulab Singh and Sons). Price Re. 1-12-0.
- (ii) Strife by John Galsworthy (William Duckworth). Price 2s. 6d.

For 1935.—

- (i) Modern English Essays by Mrs. Barnes (Rai Sahib M. Gulab Singh and Sons). Price Re. 1-12-0.
- (ii) One-Act Plays of To-day. First Series (Harrap).

HONOURS SCHOOL IN BOTANY.

I. Honours Course in Botany :—

The structure of the cell ; the structure and development of the various tissues and tissue systems ; the general morphology of the various plant organs ; the Physiology of nutrition, respiration, growth and reproduction, including some knowledge of osmotic phenomena. A knowledge of the more important fossil types and of the principles of variation, heredity and evolution would be required. Some knowledge of the facts and principles of ecology and geographical distribution would also be required.

A fuller acquaintance with the subject as a whole than required for the Pass Course would be expected.

The systematic morphology and physiology of the following groups with a detailed knowledge of the types given below would be required. In the case of the flowering plants the types should be selected as far as possible from the local flora.

Schizophyta, Conjugatæ, Chlorophyceæ, Characeæ, Diatoms, Phaeophyceæ, Rhodophyceæ, Phycomycetes, Ascomycetes, Basidiomycetes, Lichens, Hepaticæ, Musci, Filicales, Equisetales, Lycopodiales, Psilotales, Ophioglossales, Cycadales, Coniferales, Gnetales, Potamogetonaceæ, Gramineæ, Palmæ, Araceæ, Liliaceæ, Iridaceæ, Musaceæ, Orchidaceæ, Salicaceæ, Moraceæ, Chenopodiaceæ, Polygonaceæ, Caryophyllaceæ, Ranunculaceæ, Papaveraceæ, Cruciferae, Rosaceæ, Leguminosæ, Rutaceæ, Euphorbiaceæ, Anacardiaceæ, Rhamnaceæ, Vitaceæ, Violaceæ, Malvaceæ, Cactaceæ, Myrtaceæ, Umbelliferae, Primulaceæ, Ericaceæ, Oleaceæ, Asclepiadaceæ, Convolvulaceæ, Boraginaceæ, Labiatae, Solanaceæ, Scrophulariaceæ, Rubiaceæ, Cucurbitaceæ, Compositæ.

The more important types of all the above-mentioned groups.

The practical examination will embrace (a) examination and description of plants and parts of plants, (b) preparation and description of microscopic specimens, (c) identification of specimens, (d) fundamental experiments in plant physiology.

The following books are suggested :—

Coulter, Barnes and Cowles : Text-book of Botany.

Strasburger : Text-book of Botany.

Haberlandt : Physiological Plant-Anatomy.

Raber : Plant Physiology.

Palladin : Plant Physiology.

Fitzpatrick : The Lower Fungi.

Weaver and Clements : Plant Ecology.

Kostychev : Plant Respiration (Rs. 8-12-0).

Barton Wright : Recent Advances in Plant Physiology.

Goebel : Organographie der Pflanzen.

Schimper : Plant-Geography.

Lock : Variation, Heredity and Evolution.

Punnet : Mendelism.

West and Fritsch : British Freshwater Algæ.

Dame Gwynne-Vaughan : Fungi.

Harshberger : Mycology and Plant Pathology.

Butler : Fungi and Disease in Plants.

Gaumann and Dodge : Comparative Morphology of Fungi (Harvard University, Rs. 28-2-0).

Kashyap : Liverworts of the Western Himalayas and the Punjab Plain.

Campbell : Mosses and Ferns.

Bower : Filicales.

Coulter and Chamberlain : Gymnosperms.

Scott : Studies in Fossil Botany.

For identification some suitable local flora will be provided. Duthie's Flora of the Upper Gangetic Plain, and Parker's Forest Flora of the Punjab are suggested.

Candidates will be required to submit their original Note-books at a date previous to the examination which will be fixed subsequently.

Note.—This outline is intended to show the general scope of the examination but the examiners should not be precluded from setting questions on the portions of the subject of similar character and standard to those indicated.

The following indicates the distribution of question papers for the B.Sc. Honours Examination :—

- *Paper I.* Essay.
- Paper II.* Algæ, Bacteria, Fungi including Mycology and Lichens.
- Paper III.* Liverworts and Mosses and Pteridophytes.
- Paper IV.* Taxonomy and Morphology of the Gymnosperms and Angiosperms.
- Paper V.* Physiology including Plant Breeding and Plant Geography (Floristic and Ecological).
- Paper VI.* Oral and Practical.

II. Subsidiary Zoology, Physiology, Chemistry or Geology, for the Botany Honours School students the same as for B.Sc. Pass.

HONOURS SCHOOL IN ZOOLOGY.

I. The Syllabus for B.Sc. Honours in Zoology :—

The Animal Cell; Asexual and Sexual Reproduction; the principles of Classification; Heredity, Variation and Evolution; Animal Ecology.

The structure, habits, development and classification of the following groups, treated in a more advanced manner than in the case of the Pass Course :—

Protozoa, Mesozoa, Porifera, Coelenterata, Platyhelminia, Nemertini, Nematoda, Annelida, Rotifera, Polyzoa, Phoronida, Brachiopoda, Chaetognatha, Echinodermata, Arthropoda, Mollusca, Hemichordata, Urochordata, Cephalo-chordata, Craniata.

Embryology of the Frog, Chick and Rabbit. A general knowledge of the extinct forms, and of the distribution of recent

and fossil animals. A detailed study of the animals enumerated in the practical Course.

The distribution of question papers for the B.Sc. (Hons.) Degree Examination will be as follows :—

- Paper I.* An essay on one or more of a number of suggested subjects.
- Paper II.* General and Theoretical.
- Paper III.* Invertebrata.
- Paper IV.* Chordata.
- Paper V.* Palæontology and Embryology.
- Paper VI.* Practical.

Practical Examination.

Candidates will be expected to show a practical knowledge of the methods of microscopic technique and to examine, dissect or describe the following animals and skeletons :—

Amæba, *Actinophrys*, skeleton of Foraminifera and Radiolaria, *Euglena*, *Trypanosoma*, *Paramæcium*, *Vorticella*, *Opalina*, *Monocystis*, Malarial parasite, *Sycon*, *Spongilla*, *Hydra*, *Obelia*, *Aurelia*, Sea anemone *Alcyonium*, skeletons of Madrepora and Tubipora, *Hormiphora*, *Leptoplana*, *Distomum*, *Taenia*, *Lineus*, *Ascaris*, *Nereis*, *Pheretima*, Leech, *Brachionus*, *Bugula*, *Asterias*, *Echinus*, a Holothurian, *Antedon*, Prawn, Crab, Cockroach, *Anopheles*, Centipede, Millipede, Scorpion, *Chiton*, Freshwater Mussel, *Buccinum*, Ampullaria, *Sepia*, *Balanoglossus*, *Ciona*, *Amphioxus*, Scoliodon, Bonyfish, *Rana*, Lizard, *Columba*, Rabbit, and the skeletons of representatives of each class of the Vertebrata.

Candidates will be required to submit the original Note-books, initialled and dated by their Professors, of their laboratory work (drawings, etc.) at a date previous to the examination (which will be fixed subsequently) in order that these may be taken into account in determining the results of the examination.

Note.—This outline is intended to show the general scope of the examinations, but examiners should not be precluded from setting questions upon portions of the subjects of similar character and standard to those indicated.

The following books are suggested in addition to those recommended for the B.Sc. Pass Examination :—

- System of Zoology, ed. Lankester.
- The Cambridge Natural History.
- Sedgwick : Student's Text-book of Zoology.
- Marshall : Physiology of Reproduction (Longmans).
- Lull : Organic Evolution (Macmillan, New York).

Macbride and Graham Kerr: Text-book of Embryology, Vols. I and II.

R. C. Punnett: Mendelism (Macmillan and Co.).

L. Doncaster: An Introduction to the Study of Cytology (Cambridge University Press).

E. B. Wilson: "The Cell in Development and Heredity" (Macmillan, New York, 1925).

E. V. Cowdry: "General Cytology" (Chicago University Press, 1924).

T. H. Morgan: "Experimental Embryology" (Columbia University Press, 1927).

E. V. Cowdry: "Special Cytology", Vols. I and II (New York, 1928).

Locke: Recent Progress in Variation, Heredity and Evolution.

II. Subsidiary Botany, Physiology, Chemistry or Geology, for Zoology Honours School students the same as for B.Sc. Pass.

*HONOURS SCHOOL IN CHEMISTRY.

1st Year—Physical.—Atomic and Molecular Theories; Valency; Law of Chemical Actions; General properties of solids,

* The following books are suggested for study and reference :—

1. Organic Chemistry by Sudborough (Blackie and Son).
2. Quantitative Analysis by Caven, Parts I and II (Blackie and Son).
3. A Treatise on Physical Chemistry, Vols. 1 and 2, by H. S. Taylor (Macmillan).
4. Richter's Organic Chemistry.
5. Tredwell and Hall's Analytical Chemistry, Vols. I and II (Wylie).
6. Findlay's Practical Physical Chemistry (Longmans).
7. Cohen's Organic Chemistry, Parts I, II, III, published by Edward Arnold and supplied by Longmans, Green and Co.
8. Organic Chemistry of Nitrogen by N. V. Sidgwick (Clarendon Press, Oxford).
9. Practical Organic Chemistry—James and Sudborough (Blackie).
10. Text-books of Physical Chemistry, edited by Sir William Ramsay (Longmans).
11. J. Walker's Physical Chemistry.
12. A Text-book of Inorganic Chemistry, edited by J. Newton Friend, D.Sc., etc. (Charles Griffin and Co.).

Salt and their Reactions by Dobbin and Mackenzie (Publishers: James Thin, 54 and 55 South Bridge, Edinburgh), is prescribed as a text-book for Practical Chemistry.

liquids and gases; the Dissociation Theory; Mass Action. Catalysis, Arithmetical Problems relating to Chemical Theory.

Inorganic.—The occurrence, preparation and properties of the Elements and their chief compounds—excluding the rare metals—treated especially with regard to the Periodic Classification. Outlines of the main Metallurgical processes treated non-technically.

Organic.—The Modes of Occurrence, Preparation, General Characters and Constitutional Formulae of the Paraffins, Olefines and Acetylenes; Their haloid derivatives, Alcohols, Etheral Salts, Ethers, Aldehydes, Acids, Ketones, Amines, Amides, Compounds of the Alcohol Radicals with Sulphur and Nitrogen. The Grignard reagent and its uses. The Carbohydrates; Cyanogen compounds; Urea; The Aromatic Hydrocarbons and their principal derivatives; Naphthalene, Anthracene and their principal derivatives; Pyridine and Quinoline; Furfurane; Pyrrol; Thiophene.

Practical Work.—Volumetric and Gravimetric Analysis. Qualitative Analysis.

2nd and 3rd Years.—Advanced courses in Organic, Physical and General Chemistry approximately of the same standard as the present M.Sc.

Practical Work.—Advanced Inorganic Analysis. Organic Preparations and Determinations. Physical Chemistry.

Syllabus in Subsidiary Physics for Honours School of Chemistry as for the Pass B.Sc. Course in Physics with the following changes:—

Omit Sound and *put in its place* :

Mathematics.—Analytic Geometry of Straight Line and Circle, Differentiation of Elementary Functions, including second differential coefficients, simple geometrical applications, integration of elementary functions.

Chapters I, II and V of Baker's Algebraic Geometry. Appropriate portions of Edward's Differential Calculus for Beginners and Edward's Integral Calculus for Beginners, or any other elementary text-book such as Elementary Analysis by Jessop (C.U.P.).

The papers for the final examination of the Honours School in Chemistry shall consist of:—

Four written papers:—

Paper (1) Physical Chemistry.

Paper (2) General Physical and Organic Chemistry.

Paper (3) Organic Chemistry.

Paper (4) Inorganic Chemistry;

and three Practical Papers :—

Paper (5) Organic Practical.

Paper (6) Physical Practical.

Paper (7) Inorganic Practical.

Candidates shall be expected to pass in practical (total) and in each of the written papers. The pass percentage for each paper, and the aggregate required shall be as shown in Regulation 6 relating to the M.Sc. Examination.

***OUTLINES OF COURSES FOR THE HONOURS SCHOOL IN TECHNICAL CHEMISTRY.**

First year :—

- (1) English, as for other Honours Schools.
- (2) Physics ; (with Practical) as shown in the syllabus given below.
- (3) Chemistry—Lecture work—as for regular Chemistry Honours School, 1st Year.
- (4) Industrial Chemistry. (Lecture as at present.)

Practical work :—

- (a) Physics—(Practical) as shown in the syllabus given below.
- (b) Mechanical Drawing.
- (c) Chemistry—roughly the same as for Chemistry Honours School.
- (d) Tech. Chem.—use of various types of machines.

SYLLABUS IN PHYSICS FOR FIRST YEAR OF THE HONOURS SCHOOL IN TECHNICAL CHEMISTRY.

Mechanics.—Motion in a circle, centrifugal pump, Simple Harmonic Motion, Moment of Inertia, Kinetic Energy of a rotating body ; Fly wheel ; Governors ; Engineering system of units. Laws of Friction for dry and lubricated surfaces. Pressure and speed of a flowing fluid, water turbines. Efficiency of a Machine, Dynamometers, mechanical advantage and velocity ratio in compound machines like differential pulley, screwjack. Transmission of power by wheel trains, ropes and belts. Viscosity and lubricants ; strength and elastic properties of materials. Young's Modulus, Simple Rigidity, Helical Springs,

* The following book is prescribed as a text-book for Practical Chemistry :—

Salt and their Reactions by Dobbin and Mackenzie (Publishers : James Thin, 54 and 55 South Bridge, Edinburgh).

Measurement of high and low pressure, valves, pumps and tube wells. Properties of gases.

Heat.—Measurement of high and low temperatures ; expansion of solids and liquids ; change of boiling point with pressure ; conductivity, radiation of heat ; Elementary principles of Thermodynamics ; Heat Engines and their mechanism and efficiency ; Steam turbines.

Light.—Measurement of Illumination in a room, measurement of refractive index by refractometer ; Use of Polarimeter ; Spectrum Analysis ; Photography.

Magnetism.—Laws of magnetism ; Permeability and Hysteresis ; Electromagnets.

Electricity.—Production of heat and light by electric currents ; Use of Galvanometers ; measurement of resistances of E.M.F.s by Wheatstone bridge and E.M.F.s by potentiometers. Electric energy, its supply, transmission and measurement ; Motors, Dynamos and Transformers ; Electro-chemistry. Secondary cells ; Wireless Telegraphy ; Leading facts of radioactivity ; Discharge of electricity through gases ; X-rays ; Electron.

Practical.

1. Use of reading microscope, Kathetometer and Planimeter.
2. Determination of densities of solids and liquids by Hydrostatic balances, specific gravity bottle and Hydrometer.
3. Measurement of surface tension.
4. Comparisons of viscosities by Viscometer.
5. Determination of boiling and melting points.
6. Determination of Specific Heat of solids and liquids.
7. Determination of vapour pressure by dew-point method.
8. Measurement of refractive index by refractometer and spectrometer.
9. Spectrum Analysis.
10. Measurement of rotatory power by shadow Polarimeter.
11. Measurement of resistance of wires and electrolytes by Wheatstone bridge.
12. Use of ammeters and voltmeters.
13. Arrangement of switches and lights in a lighting circuit.
14. Measurement of Electro-chemical Equivalent.
15. Electro-plating.
16. Charging of Accumulators.

Second year :—

(1) Descriptive Engineering.

The Course in Descriptive and Experimental Engineering is intended to extend to about 60 lectures and 20 practical demonstrations in the laboratories. The outline of the syllabus is given below :—

Mechanism.—

Block and Tackle, types and uses.
Screw Jacks.
Belt gearing.
Wheels and wheel trains.
Epicyclic gearing.
Quick return motions.
Cams. Special motions derived from.
Valves and valve gears.

Machine Tools.—

The Lathe.
„ Drilling Machine.
„ Shaping „
„ Planing „
„ Slotting „
„ Power Saw.
„ Milling Machine.

Strength of Materials.—

Stress, strain and Young's Modulus.
Behaviour of various metals when tested (a) within the elastic limit, (b) to rupture.
Percentage elongation and the necessity of standardisation.
Fatigue of metals.
Suddenly applied loads. Effect of.

Beams and Girders.—

(1) Strength, (2) Stiffness.
Essential difference between (1) and (2).
Standard sections.
Deflection due to bending.
Deflection due to shear.
Flitched beams.
Reinforced concrete beams.
Columns and struts.

Shafts.—

Strength and stiffness of shafts.
Horse power that may be transmitted.

Economy, in certain cases, of hollow shafts.

Effect of combined torsion and bending on solid or hollow shafts.

Structures.—

Simple frame structures and methods of determining forces and stresses in members of frame subjected to any complex system of loading.

Roof trusses, supported at ends.

Roof trusses, overhanging, example of "Island Platforms".

Wind pressure on chimneys.

Dams and retaining walls subjected to—

(1) Water pressure.

(2) Earth pressure.

Hydraulics.—

Pressure on any plane surface immersed in any position in water, or any liquid.

Application to tanks and cisterns.

Measuring of "Head" and its equivalent pressure.

Flow of water in pipes.

Flow of water in Channels.

Discharge from orifices and notches.

Measurement of flow of water in streams and channels.

The Venturi Meter.

Pelton wheels and turbines.

Centrifugal pumps.

Force pumps.

Prime Movers.—

Boilers. Some types. Fuel consumption and steam production. Steam Engines. Fundamental principles followed by steam engine trial in Heat Engine Laboratory. Each student will take indicator cards and calculate the indicated horse power, and also measure the brake horse power. Efficiency of steam plant.

Internal combustion engines, some of the common types met with in India.

Complete test in laboratory. Comparison of efficiency with that of steam plant, including comparison of running costs. Different methods of ignition, advantages and disadvantages.

Common causes of failure.

Layout of steam and water piping in small works, such as a bleaching works or dyeing factory.

If any time is left available, it is proposed to give the students a very elementary notion of the principles of surveying, sufficient to enable them to make a plan of a piece of rough ground,

and carry out the levelling necessary before commencing building operations.

Electrical Engineering.

Direct current.—

Instruments, Ammeters, Voltmeters and Wattmeters.
 Generators, different types and their use in electrical generating stations.
 Faults and their remedies.
 Systems of distribution.
 Use of secondary batteries, installation and charging.
 Different types of motors, practical uses and installation.
 Motor starters.
 Faults and their remedies.

Alternating currents.—

Single and three-phase systems. Instruments.
 Alternators, transformers, motors and converting apparatus.

The Course of lectures will be supplemented by practical tests in the electrical engineering laboratory.

(2) Elements of Commerce and Industrial Organisation.

An introductory course in Economics aiming at a presentation of Economic Theory and Practice as it affects industry to-day in the Punjab. A frank attempt at facing the obstacles confronting economic progress in India.

PART I.

Description of economic conditions in the West. Particular emphasis on methods of production— a study of mass production. The problems presented to India by world competition in the economic realm. A rapid survey of production methods in England, America and other European countries. Problems : labour, distribution, large scale production, governmental supervision.

PART II.

A synopsis of Economic Theory—production, exchange, value and distribution. Theory of money. Joint Stock principle.

PART III.

Some practical problems in Economics with special emphasis on conditions in the Punjab. Resources of the Punjab, the industrial possibilities scrutinised, the problem of labour efficiency, the seeming lack of economic opportunity, the "shyness"

of capital, co-operative schemes, costing methods, transportation, agriculture, the Punjab's economic position in India.

BOOKS SUGGESTED.

Penson—Economics of Everyday Life, 2 volumes (Cambridge).
R. S. Bridge—Geography of Commerce and Industry (Hodder and Stoughton).

Edie—Economic Principles and Problems, Chapters I-VII ; XI, XIII, XX, XXIV, XXVIII (Crowell).

Calvert—Wealth and Welfare of the Punjab (C. and M. G.).
Selected readings on current economic problems in the Punjab.
Selected readings on Indian Economics from Kale and others.

(3) Chemistry.

Physical Chemistry—same as for Chemistry Honours School.

Organic Chemistry—a subsidiary course somewhat less than that for the Chemistry Honours School. The outline of this special course is given below :—

Alkylation, Esterification, Nitration, Sulphonation, Reduction, Oxidation, Halogenation, Catalytic Reactions, Substitution in the benzene ring, Steric Hindrance, Condensations, Diazo-Compounds, Colour and Constitution, Cyanogen, Stereo-Chemistry of N and C, Tautomerism and Isomerism, Fermentation.

(4) Industrial Chemistry (Lecture work as at present).

Practical work :—

(a) Engineering—Power Tests—Efficiency of Machines, etc.

(b) Technical Chemistry, as above.

(c) Chemistry—Analytical work including inorganic separations and the analysis of commercial substances including Physico-chemical methods, as given below :—

Inorganic Separations, Analysis of Commercial substances by various methods including many physical ones. The outline of the work roughly indicating the scope of the work intended is given below :—

- I. CO_2 . By absorption in KOH or Soda-lime,
- II. Silicate, SiO_2 , Al_2O_3 , Fe_2O_3 , MnO (Calorimetrically).
- III. Coal, Calorific value, Ash, Sulphur, Volatile.
- IV. Flue Gas, CO_2 , CO , O_2 .
- V. Oils. Viscosity, refractive index, Iodine value, saponif, no Unsaponifiable, class (veg, animal), extraction.
- VI. Soaps, Total fats, free alkali, combined alkali, moisture, Insoluble, rosin.
- VII. Sugar, Reducing sugars, ash, sucrose (volumetrically, gravi. and optically).

•VIII. Leather. Nitrogen (Kjeldahl), CaO, Sulphides, Cr, SO₃, tannin and non-tannins, Ph-valve, turbidity.

IX. Dyeing, Classification on the fiber, fibers.

X. Ceramics. Pb, Sn, Na-k-Li (Smith fusion).

XI. Water.

XII. Milk and Butter.

XIII. Solubility and Freezing point Curves.

XIV. Conductivity (simple acid-base titration).

XV. Velocity of reaction (simple hydrolysis of ester by acid).

XVI. Acid Analysis.

XVII. Phase Rule System and Diagrams.

XVIII. Pyrometry.

Physico-chemical and physical measurements (included in the above).

Combustion calorimeter III.

Mol. wt. by Freezing XIII.

Viscosity V.

Density of liq. V and XI.

Refractive index V.

Conductivity XIV.

Polarimeter VII.

Velocity of reaction XV.

Ph-valve and elec. titration

Surface tension VI.

VII.

Estimated time required is 18 weeks.

Third year :—

Factory training in special subject.

Special Course of Reading in each subject.

Preparation of report on the chosen Industry.

Analytical control of the chosen Industry and special problems connected therewith.

The Chemistry syllabus for 3rd year will be as given below :—

Physical Chemistry—same as that for Honours School in Chemistry.

Organic Chemistry.—

No. of
Lectures
roughly.

1 Compounds containing two or more Benzene nuclei, *e.g.*, Diphenyl group, Diphenyl methane group.

2 Triphenyl-methane group (Rosaniline group, Aurin group and Eosin group).

1 Naphthalene group.

1 Anthracene and Phenanthrene.

1 Thiophene and Pyrrol.

1 Indigo.

2 Pyrones (dimethyl and pyrone, Coumarine, Chelidonic acid, Xanthone and Oxonium compounds).

No. of
Lectures
roughly.

- 1 Pyridine.
- 1 Quinoline and Isoquinoline groups.
- 4 *Alkaloids*—General methods of extraction, properties and determination of structure as illustrated in Piperine, Nicotine, Cinchonine, Papaverine.
- 6 *Terpenes*—General methods of extraction, properties and determination of structure as illustrated in—
 - (a) Open chain terpenes (Isoprene and Citral).
 - (b) Mono-cyclic terpenes (Limonene, Sylvestrene and Terpeniol).
 - (c) Complex Cyclic terpenes (Pinene, Camphene and Camphor).
- 1 Rubber.
- 1 Ozonides.
- 5 *Carbohydrates* :—
 - (a) Mono saccharoses, (b) Cane-sugar and Starch.
- 3 Purine derivatives.
- 2 Tervalent carbon and other elements of anomalous valencies.
- 5 Benzene theories including physical properties and chemical constitution.

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Note :—The place of Inorganic Chemistry in the second and third years is taken by heavy chemical work, etc., taken in the Industrial Chemistry Lectures.

The practical work of the third year in Chemistry to be—Organic preparations, Organic Analysis, Analytical methods for the particular industry chosen by the student for special study.

Followed by Final Examination as follows :—

Paper I.—Physical Chemistry. (The same as for the Honours School in Chemistry.)

Paper II.—Organic Chemistry.

Paper III.—Technical Chemistry.

Paper IV.—General, including elements of Commerce and Economic Geography.

Paper V.—Report and oral examination on Report.

Paper VI.—Practical, mainly analytical.

Courses of Reading for the M.Sc. Examination of 1934 and 1935.

Science Faculty.

PHYSICS : 1934 AND 1935.

Candidates shall be required to answer questions on Properties of Matter, Sound, Light, Heat, Magnetism and Electricity, not involving more than an elementary knowledge of Differential and Integral Calculus and of Differential Equations. An acquaintance with important recent work will be expected.

In the practical examination candidates shall be required to perform physical measurements with the more usual instruments.

Examination of Laboratory Note-books containing a record of experiments performed during the course, initialled by the Professor of the subject.

The following books are suggested for study and reference :—

- Properties of Matter by Poynting and Thomson (Griffin).
- Heat by Preston (Macmillan).
- Crowther's Ions, Electrons and Ionising Radiations.
- Theory of Light by Preston (Macmillan).
- Physical Optics by Wood (Macmillan).
- Elementary Mathematical Theory of Electricity and Magnetism by J. J. Thomson (Camb. Univ. Press).
- Text-book of Practical Physics by Watson (Longmans).
- Starling's Electricity and Magnetism (Longmans).
- Andrade's Structure of the Atom (Bell).
- Houstoun's Treatise on Light (Longmans).
- Lewis : System of Physical Chemistry, Vol. III. Quantum Theory (Longmans).
- General Physics by Edser (Macmillan).

In the practical examination candidates must present Note-books containing the original data and a concise account of each experiment, dated and initialled by their Professor.

Examiners shall place an increasing emphasis upon the original Laboratory Note-books of the candidates.

In the practical examination the student shall submit a dissertation upon some special portion of a subject embodying and analysing the results of his own observations.

Marks.

Distribution of Subject—

<i>Paper I.</i>	Properties of Matter	..	75
<i>Paper II.</i>	Heat .. ..	..	100
<i>Paper III.</i>	Light .. ..	..	100

		<i>Marks.</i>
<i>Paper IV.</i>	Electricity and Magnetism ..	100
<i>Paper V.</i>	Electro-magnetic Theory and Recent Developments ..	100
<i>Paper VI.</i>	Thesis	75
<i>Paper VII.</i>	Practical ..	150

HONOURS SCHOOL IN ZOOLOGY.

Each candidate for the M.Sc. Degree Examination of the Honours School shall furnish evidence of having been engaged in research work on some special subject or branch of Zoology for at least one year after passing the B.Sc. (Hons.) Degree Examination and shall, at the time of examination, submit a *thesis, a series of preparations and any other evidence of his work.

The dissertation shall exhibit a knowledge of recent work on the subject chosen, and should include an account of practical work performed by the candidate, in connection with the subject.

The subject shall be specified in writing to the Registrar at the time that the candidate makes his application. A viva voce examination shall be held on the subject of the dissertation submitted.

HONOURS SCHOOL IN BOTANY.

For the M.Sc. Examination of the Honours School in Botany each candidate shall furnish evidence of having been engaged in research work on some special subject or branch of Botany for at least one year after passing the B.Sc. Honours Examination, and shall, at the time of examination, submit a thesis, a series of preparations and any other evidence of his work.

The dissertation shall exhibit a knowledge of recent work on the subject chosen, and shall include an account of practical work performed by the candidate in connection with the subject.

The subject shall be specified in writing to the Registrar at the time that the candidate makes his application. A viva voce examination shall be held on the subject of the dissertation submitted.

GEOLOGY: 1934 AND 1935.

Candidates must possess a good general knowledge of dynamical and geotectonic geology, including the modern theories of

* To be judged by two examiners, one external and one internal, under whom each particular candidate has worked (*Syndicate Proceedings*, dated the 9th June, 1923, paragraph 14).

metamorphism, earth-movements and vulcanicity. The stratigraphy of India with some degree of detail and of the rest of the world in a general manner, special attention being paid to the geology of the Punjab, Kashmir and the N.-W. Himalayas. A general knowledge of Palæontology, invertebrate and vertebrate; the macroscopic and microscopic characters of the important types of rocks; the characters, geological relations and occurrence of the economic mineral products of India.

Practical Work :—

Recognition and description of minerals, rocks and fossils, measurement and projection of crystals, drawing of geological maps and sections, microscopic examination of rock and crystal sections, the preparation of micro-sections of Indian rocks and fossils, the preparation of rock-sections for the petrological microscope.

Candidates may be required to show some knowledge and experience of their subject in the field.

The following books are suggested :—

Chamberlain and Salisbury—Geology, Advanced Course, Vol. I (Murray).

Palæontologia Indica—parts dealing with the fossils of the Salt Range, Punjab and North-Western Himalayas.

Leith—Structural Geology (Constable).

Text-book of Geology by Geikie, Vols. I and II, 4th edition (Macmillan and Co.).

Structural Geology by Leith, Revised edition (Henry Holt and Co.).

Geology of India by Wadia (Macmillan and Co.).

(N.B.—The necessary publications of the Geological Survey of India should be consulted for Indian Stratigraphy.)

The Quinquennial Review of the Mineral Production of India—Records, G.S.I., Vol. LVII.

Invertebrate Palæontology by Woods. (Latest edition, Camb. Biological Series.)

Outlines of Palæontology by Swinnerton (Edward Arnold and Co.).

Geology of the Metalliferous Deposits by Rastall (Camb. Univ. Press).

The Principles of Petrology by Tyrrell (Methuen and Co.).

The Study of Geological Maps by Elles (Camb. Univ. Press).

Notes on Geological Map Reading by Harker.

Field Geology by Lahee (McGraw Hill Book Co.).

Thomas and McAlister—Geology of the Ore Deposit (Arnold).

Dana—Text-book of Mineralogy.

Tutton—Crystallography and Practical Crystal Measurements (Macmillan) (new edition) chapters 30, 31, 33, 38, 39, 41, 42, 48 and 54.

Harker—Petrology (Cambridge University Press).

Marks.

The distribution of the subject shall be as follows :—

<i>Paper I.</i>	Dynamical and Structural Geology ..	100
<i>Paper II.</i>	Stratigraphical Geology and Palæontology ..	100
<i>Paper III.</i>	Geology of India (including the Economic Geology of India) ..	100
<i>Paper IV.</i>	Mineralogy (descriptive) and Petrology ..	100
<i>Paper V.</i>	Mineralogy ..	100
<i>Paper VI.</i>	Practical Geology ..	100
<i>Paper VII.</i>	Practical Geology II ..	100

Candidates must present Note-books containing their original notes of laboratory and field work performed in the course of their studies. These notes are to be dated by the student and initialled by the teachers.

Notes.—This outline is intended to show the general scope of the examinations, but examiners should not be precluded from setting questions upon portions of the subject of similar character and standard to those indicated.

PHYSIOLOGY : 1934 AND 1935.

1. The General and Special Physiology (including Histology) of the animal body.
2. A Course of Advanced Physiological Chemistry.
3. The Physiology of Reproduction and of Development.
4. The Elements of Physiological Psychology.

The practical examination will be on the same lines as for the B.Sc. Examination, but of a more advanced character, and include the Methods of Anatomical and Histological Research, experimental Electro-physiology and Physiological Chemistry.

The following books are suggested :—

The same as for the B.A. In addition—

Physiological Chemistry, by Gamgee (Macmillan) or by Bunge (Trübner).

Ladd's Physiological Psychology (Longmans).

Quain's Elements of Anatomy, Vol. I, Pts. 1 and 2 (Longmans).

A Text-book of Physiology by British Authors, ed. Schafer.

Marshall : Physiology of Reproduction.

Distribution of Subject—

Marks.

<i>Paper I.</i>	An essay on one or more of a number of suggested subjects	100
<i>Paper II.</i>	General and Theoretical	100
<i>Paper III.</i>	General and Theoretical	100
<i>Paper IV.</i>	Histology	100
<i>Paper V.</i>	Physiological Chemistry	100
<i>Paper VI.</i>	Practical	200

Note.—This outline is intended to show the general scope of the examinations, but examiners should not be precluded from setting questions upon portions of the subject of similar character and standard to those indicated.

**Courses of Reading prescribed for the F.O.L.
Examination, 1934 and 1935.**

ENGLISH : 1934 AND 1935.

The same courses as prescribed for the Intermediate in Arts for 1934 and 1935, respectively.

HISTORY.

For 1934.

For compulsory Paper—Thompson's History of India.

Option (i)—The same books as those prescribed for Compulsory paper (a)—British History—in Intermediate Arts for 1933.

Options (ii) and (iii)—The same books as those prescribed for options (ii) and (iii) in Intermediate Arts for 1933.

For 1935,

Under consideration,

SANSKRIT.

For 1934.

Paper (a) Poetry.—The same as for Prajna, Paper I, for 1934.

Paper (b) Prose.—The same as for Prajna, Paper II, for 1934.

Paper (c) Grammar.—The same as for Prajna, Paper V, for 1934.

Paper (d) Translation.—From Sanskrit into Vernacular and *vice versa*.

For 1935.

Paper (a) Poetry.—The same as for Prajna, Paper I, for 1935.

Paper (b) Prose.—The same as for Prajna, Paper II, for 1935.

Paper (c) Grammar.—The same as for Prajna, Paper V, for 1935.

Paper (d) Translation.—From Sanskrit into Vernacular and *vice versa*.

ARABIC.

For 1934 and 1935.

Paper (a) Poetry.—Intermediate Course (Arabic) (Edition of 1928): Poetical Selections; *Dīwānu Ṣarī' al-Ghawānī*.

Paper (b) Prose.—Intermediate Course, Arabic (as above): Prose Selections; *Tārīkh al-Khulafā: Abda' al-Asālib*, pp. 189-332.

Paper (c) Grammar.—*Marāḥ al-Arwāḥ*; *Kafiya*.

Paper (d) Translation.—From the Classical Language into the Vernacular and *vice versa*.

PERSIAN.

For 1934 and 1935.

Paper (a) Poetry.—**Sabad-i-Gul* (published by the University of the Panjab): Poetical Selections; *Tuḥfat al-Ahrār-i-Jāmi*; *Rubā'iyāt-i-'Umar Khaiyām*.

Paper (b) Prose.—**Sabad-i-Gul* (published by the University of the Panjab): Prose Selections; *Ruqqa'āt 'Alamgīri*; *Hakīm-i-Nabātāt*,

Paper (c) Grammar.—*Misbāh al-Qawā'id* by Jalal-ud-Din Ahmed Ja'fari (Anwar-i-Ahmadi Press, Allahabad).

Paper (d) Translation.—Persian into Vernacular, Vernacular into Persian.

* *Note*.—Candidates are not expected to study biographies of little known poets in connection with the selections from the *Tuḥfat al-Ḥabīb*.

INDIAN VERNACULAR.

URDU : 1934 AND 1935.

Paper (a) As for the Intermediate in Arts Examination (Optional), 1933 and 1934, respectively.

Paper (b) Prose and Poetry.—Ibn al-Waqt; Nairang-i-Khayāl; Chahār Gulzār-i-Hālī; Guldasta Muhsin Kākorawī.

PANJABI : 1934 AND 1935.

Two written papers of three hours each—

Marks.

Paper A.—Explanation and paraphrasing of passages in Poetry and Prose with questions on the text-books and their authors .. 50

Poetry—

(a) Twenty-two Vars from Adi Granth.

(b) Selections from Hir Wari's Shah, pages 108 to 194 (Gulab Singh's edition, 1911).

(c) Kafian Bullah Shah.

Paper B.—

Prose—

Composition and Essay 50

(a) Janam Sakhi of 1st Guru (Dit Singh).

(b) Pavitra Jiwan (Kh. Tract Society).

Paper (b) should include questions on idioms, uses of words, phrases and proverbs and on the formation of words.

HINDI.

For 1934.

Paper (a) The same as for Intermediate Hindi (Optional), Parts (a) and (b), for 1934.

Paper (b) 1.—Tulasi Ramayana, Kandas III, IV and V.

2.—Sachitra Mahabharata by Mahavira Prasada Dvivedi (Indian Press, Allahabad).

For 1935.

Paper (a) The same as for Intermediate Hindi (Optional), Parts (a) and (b), for 1935.

Paper (b) The same as for 1934.

B.O.L. Examination, 1934 and 1935.

ENGLISH : 1934 AND 1935.

The same courses as prescribed for the B.A. for 1934 and 1935, respectively.

SANSKRIT.*For 1934.*

- Paper (a)* The same as for Visarada, Paper I, for 1934.
Paper (b) The same as for Visarada, Paper II, for 1934.
Paper (c) The same as for Visarada, Paper V, for 1934.
Paper (d) Translation—From Sanskrit into Hindi and *vice versa*.
 Composition.—In Sanskrit.

For 1935.

- Paper (a)* The same as for Visarada, Paper I, for 1935.
Paper (b) The same as for Visarada, Paper II, for 1935.
Paper (c) The same as for Visarada, Paper V, for 1935.
Paper (d) The same as for 1934.

ARABIC.*For 1934 and 1935.*

- Paper (a)* Poetry.—Simt al-Durar (published by the University of the Panjab): Poetical Selections; Sab 'Mu'allaga.
Paper (b) Prose.—Simt al-Durar (published by the University of the Panjab): Prose Selections; Siratu Rasūl illāh of Ibn Hishām, from Hijra to the end of the Battle of Badr.
Paper (c) Grammar.—Mufaṣṣal; al-Kāfī fil-'Arūz wal-Qawāfi.
Paper (d) Translation.—Arabic into Urdu and *vice versa*.
 Composition.—Essay in Arabic.

PERSIAN.*For 1934 and 1935.*

- (a) Poetry.—Gulshan-i-Ma'āni (published by the University of the Panjab): Poetical Selections; Matla' al-Anwār-i-Khusro; Qaṣa'id-i-'Urfl.
 (b) Prose.—Gulshan-i-Ma'āni (published by the University of the Panjab): Prose Selections; Sarguzaṣht-

i-Wazīr-i-Khān-i-Lingarān; Intikhab-i-Tadhkira
Dawlat Shāh (Anwār-i-Ahmadi Press).

- (c) Grammar and History of Literature.—Kanz-ul-Balā-
ghat and al-'Arud wa'l Qawāfi (both published by
Anwar-i-Ahmadi Press, Allahabad); Shif'r-al-'Ajām,
Parts 1 and 2.

- (d) Translation.—Persian into the Vernacular and *vice versa*.

Composition.—Essay in Persian.

INDIAN VERNACULAR.

PANJABI: 1934 AND 1935.

Two written papers of three hours each— *Marks.*

- (a) Exposition, paraphrasing and explanation of
passages in Poetry and Prose with questions
on the text-books and their authors .. 50

The following Courses of Reading are prescribed :—

Poetry—

1. Bhagatan di Bani from Adi Granth.
2. Varan Bhai Gur Das.

Prose—

Part I, No. 2 (Biographies of Gurus 2nd to 6th) of
Twarikh Guru Khalsa (Gayan Singh).

- (b) Unseen passages from modern books and
journals with questions calculated to test
the candidate's ability to grasp and express
what he reads and his knowledge of Panjabi
Idiom, Prosody and Figures of Speech .. 50

100

URDU: 1934 AND 1935.

Paper (a) Poetry and Prose.—Nazm-i-Āzād, Qasā'id-i-Dhawq,
Bāng-i-Dirā, Yādgār-i-Qhālib, *omitting* the sec-
tions on Qhālib's Persian prose and poetry;
Darbār-i-Akbarī (excluding *Tatimma*); Jalāl-ud-
Din Khwārm Shah.

Paper (b) Prosody, Rhetoric and Composition.—Umdatul
Qawā'id; Bahr al-'Arūd; Tadhkirat al-Balāghat.
Essay in Urdu.

HINDI : 1934 AND 1935.

Paper (a) Poetry and Prose.—

- (i) Tulasi Ramayana, Bala Kanda and Ayodhya Kanda.
- (ii) Bhusana Granthavali, edited by Shyama Vihari Misra, M.A., and Sukadeva Vihari Misra, B.A., Nagari Pracharni Press, Benares.
- (iii) Galpa Samuchchaya, compiled by Prem Chand, Sarasvati Press, Benares. Price Rs. 2-8-0.

Paper (b) Prosody, Rhetoric and Composition.—

- (i) Alamkara Prabodha by Rama Ratna, Sahitya Ratna Bhandara, Agra.
- (ii) Chhanda Prabhakara, Venkatesvara Press, Bombay.
- (iii) An essay.

HISTORY.

For 1934 and 1935.

The Course is the same as for B.A. Arts.

M.O.L. Examination, 1934 and 1935.

PERSIAN.

For 1934.

Six papers of three hours each :—

*Papers I to III and V.—As for Munshi Fazil, 1933.**Paper IV.—*

1. 'Shi'r-al-'Ajam (Vols. I to V).
2. Sakhundān-i-Pārs.
3. Nigāristān of Azād.
4. Hayāt-al-Nufūs by Ismā'il b. Muḥammad Tabrizī (Anwār-i-Aḥmadi Press, Allahabad).

Paper VI.—

1. Translation from Vernacular into Persian and *vice versa*.
2. Essays in Persian on a subject connected with the History or Literature of Persian.

*For 1935.**Papers I to III and V.—As for Munshi Fazil, 1934.*

The rest as for 1934.

ARABIC.

For 1934.

Six papers of three hours each :—

Papers I to III and V.—As for Maulvi Fazil, 1933.*Paper IV.*—Zaidān's *Tārikhu Ādāb-il-Lughat al-'Arabīya* (whole).*Paper VI.*—(a) Translation from Arabic into Vernacular and *vice versa*.

(b) An essay in Arabic connected with the History or Literature of Arabic.

*For 1935.**Papers I to III and V.*—As for Maulvi Fazil, 1934.

The rest as for 1934.

SANSKRIT.

For 1934.

Six written papers of three hours each :—

Paper I. The same as for Shāstri for 1934.*Paper II.* Do. do.*Paper III.* Do. do.*Paper IV.* Questions on the literature of the Sanskrit language, including questions on Philosophical systems.*Paper V.* The same as for Shāstri for 1934.*Paper VI.* (a) Translation from Sanskrit into Vernacular and *vice versa*.

(b) An essay in Sanskrit connected with the History or Literature of Sanskrit.

For 1935.

Six written papers of three hours each :—

Paper I. The same as for Shāstri for 1935.*Paper II.* Do. do.*Paper III.* Do. do.*Paper IV.* The same as for 1934.*Paper V.* The same as for Shāstri for 1935.*Paper VI.* The same as for 1934.

Examinations in the Arabic Language and Literature.

The following are the details of the examinations in the Arabic Language and Literature :—

Maulvi or Proficiency in Arabic Examination.

For 1934 and 1935.

SUBJECTS.	BOOKS.	PAPERS.
Grammar ..	Marāḥ-ul-Arwāḥ ; Kāfiya ..	I.
Literature ..	The Intermediate Arabic Course (Edition 1928) ; Banat Su'ād and Lāmiyat-ul-'Ajam ..	II.
	Muhādarātul-Tarikhi .. 'l-Umam-il-Islāmiya Khudrī), Part I ..	
	Al-Shihāb al Thāqib fi-Sinā'at il-Kātib ..	III.
Logic ..	Sharḥ Tahdhīb ..	
Law ..	Qudūrī ; Sirājī or Kitābi Mavārith Min Sharāi' il-Islām ..	IV.
Translation ..	Arabic into Urdu, and <i>vice versa</i> ..	V.
		VI.

Maulvi 'Alim or High Proficiency in Arabic Examination.

For 1934 and 1935.

SUBJECTS.	BOOKS.	PAPERS.
Grammar ..	Awdah al-Masālik ilā Alfīyah Ibn Mālik ..	I.
Prosody ..	Al-Kāfi fi'l 'Arudh-wal Qawāfi ..	
Literature ..	Siratu Rasūlillāh from Hijra to the end of the Battle of Badr ; al Muhādarāt Tārikh-il Umam-il Islāmiya, Part 2 ; Simt al-Durar (published by the University of the Panjab) ; Sab'a Mu'allāqa ; Mu'allāqas of Zuhair and 'Antara only ..	II.
Rhetoric ..	Mukhtaṣar-ul-Ma'anī (the whole) ..	
Logic ..	Qutbī ..	III.
Philosophy ..	Hadya Sa'idiya ..	
Law ..	Sharifi, Sharḥ Sirājī, or Kitāb-ul-Mavārith Min Sharāi' il-Islām ; Kanz ud-Daqa'iq ..	IV.
Translation ..	Arabic into Urdu and <i>vice versa</i> ..	
Composition ..	Essay in Arabic ..	V.
		VI.

Additional Urdu Papers (Optional).

(a) Prose :—

Darbār-i-Akbarī (first half).

(b) Poetry :—

Majmū'a Nazm-i-Āzād ;

Musaddas-i-Ḥālī.

Intikhab-i-Makhzan, Part I, Hissa-i-Nazm.

*Maulvi Fazil or Honours in Arabic Examination.**For 1934 and 1935.*

Paper I .. Qurān: al Baqra with the commentary of Baidāwī. Mu'attā of Imām Mālik. Sharḥu Nuḵbat al-Fikr, Mu'āmalāt-i-Hidāyah excluding sections :—

From "Kitāb-ul-Ijārāt" to the end of "Kitāb-ul-Ma'dhūn".

From "Kitāb-ul-Karāhiyya" to the end of "Masā'il-i-Mutafarriḳa".

From "Kitāb-ul-Janāyāt" to the end of "Kitāb-ul-Ma'āqil".

Or,

Sharḥ-al-Lum'a—only the following chapters :—

Kitāb-al-Waqf, Kitāb-al-'Atiyya, Kitāb-al-Matāgir, Kitāb-al-Rahn, Kitāb-al-Kafāla, Kitāb-al-Ṣulḥ, Kitāb-al-Mudhara'a, Kitāb-al-Musāqāt, Kitāb-al-Wikāla, Kitāb-al-Shufā, Kitāb-al-Waṣāyā, Kitāb-al-Nikāḥ, Kitāb-al-Ṭalāq, Kitāb-al-Ghaṣb and Kitāb-al-Mirāth.

Paper II .. Ḥamāsa (excluding chapters 5, 9 and 10). Mutanabbi. Muḥiṭ-al-Dā'ira.

Paper III .. Maqāmāt-i-Harirī—1st 15 Maqāmas. Mubarrad's Kāmil, Vol. I, pages 1–189 (Cairo edition of 1323). Asrār-al-Balāgha or Muṭawwal up to Mā'ana Qulṭo. Muqaddima Ibn Khaldūn, Book I, Faṣl 6, to the end of the work, omitting 'Ulūm-al-Siḥr to the end of 'Ilm al-Kimiyyā.

- Paper IV* .. Bahr-ul-'Ulūm, Sharh Sullam (*omitting* Minhiyyāt). Futūḥ-ul-Buldān of Balādhori (from Futūḥ al Sawād to the end). Or Muḥad-darāt Tarikh il-Unam-il-Islāmia, Part 3. Ishārāt.
- Paper V* .. One of the following :—
 (a) Ḥujjat Allāh-al Bāligha (Cairo Edition), Vol. I only. Sadrā. Tasrīḥ Sharḥ-i Tashrīḥ.
 (b) Bukhārī. Tirmidhi.
- Paper VI* .. An Essay in elegant Arabic.

Additional Urdu Papers (Optional).

(a) Prose :—

Ruh-i-Ijtimā' ;
 Ifādāt-i-Mehdī ;
 Khayālastān ;
 Ru'yā-i-Ṣādiqa.

(b) Poetry :—

Dīwān Hālī ma' Muqaddima ;
 Dīwān-i-Ḡhālīb Urdu ;
 Bang-i-darā.

Examinations in the Sanskrit Language and Literature.

The following are the details of the examinations in the Sanskrit Language and Literature :—

Prajña or Proficiency in Sanskrit Examination.

For 1934.

SUBJECT.	BOOK.	PAPER.
Poetry ..	Virakavyasāngraha, published by the Panjab University (can be had from Rai Sahib M. Gulab Singh and Sons, Mufid-i-'Am Press, Lahore) ..	1

SUBJECTS.	BOOKS.	PAPERS
Drama	{ Bhāsa's "Svapnavāsavadattā" and "Urubhanga" Kalyāṇa-Saṅgandhikam of Nīlakaṇṭha (Messrs. Mohr Chand Lakshamaṇa Dass, Said Mitha Bazar, Lahore). Price 8 annas }	I.
Prose	.. Panchatantra (whole) ..	II.
General knowledge	(a) Ganita Kaumudi in Hindi, Chaukhamba Sanskrit Series, Benares. Price 6 annas; (b) The Anglo-Vernacular Middle Geography, Part II, Indian Press, Allahabad. Price 8 annas; (c) Bhārata Varṣa Kā Itihāsa, Part I, by Prof. Gaṅga Prasāda (Messrs. Uttar Chand Kapur and Sons, Anarkali, Lahore. Price Re. 1 with binding)	III.
Prosody and Nyaya :	(a) Vṛttaratnakara .. (b) Tarkasaṅgraha .. (c) Vāgbhaṭālankāra ..	IV.
Grammar	.. General Principles sufficient to enable students to analyse any grammatical forms occurring in the text-books prescribed; (standard of questions to be indicated by Madhya Kaumudi)	V.
Translation	.. From Sanskrit into Hindi and vice versa	VI.

For 1935.

Paper I.—

Delete Kalyāṇa-Saṅgandhikam of Nīlakaṇṭha.

Substitute Kāvya-muktāvalī by Duni Chandra, published by the Panjab University (*In Press*), in place of Virakavya-ṅgraha.

The rest as for 1934.

Viśarada or High Proficiency in Sanskrit Examination.

For 1934.

SUBJECT.	BOOKS.	PAPER.
Drama	{ 1. Uttara-rāmacharitam by Bhavabhūti 2. Aścharyachūdāmaṇī by Saktibhadra }	I

SUBJECTS.	BOOKS.	PAPERS.
Poetry	Vishardiya Kavyasangraha by Madhavā Shastri Bhandari. Published by the Panjab University. Price Rs. 2-12-0. (Can be had from the Mufid-i-'Am Press, Lahore)	I.
Prose	.. Gadyaratnāvali, compiled by Banarsi Dass Jain, M.A., Ph.D., and Jagadīśa Śāstrī. (The Punjab Sanskrit Book Depôt, Said Mitha Bazar, Lahore.) Price Rs. 2-8-0	II.
Philosophy	.. Nyāya : Siddhantamuktavali by Visvanatha or, for Girls, Dharmasastra : Manusmriti, Adhyayas III-IX	III.
*Rhetoric	.. Visvanatha Sahityadarpana	IV.
Grammar	.. Siddhanta Kaumudi of Bhattoji Diksita, first half, omitting Phakkikas (questions to be confined to the text only)	V.
Translation	.. From Sanskrit into Hindi and vice versa	
Composition	.. In Sanskrit "Prabandhaprakāśa" by Dr. Maṅgala Deva, Shastri, M.A., D.Phil., is recommended for study	VI.

Additional Hindi Papers (Optional).

Paper A.—Poetry and Drama :—

1. Tulasi Ramayana, Ayodhya Kanda, Ratna Ashrama, Agra.
2. Satya Harischandra, by Bharatendu Harischandra, Khadga Vilasa Press, Bankipore.

Paper B.—Prose and Composition :—

1. "Atīta Kathā" by Sant Ram. B.A. (Messrs. Dass Bros., Publishers and Book-sellers, Anarkali, Lahore. Price Re. 1).

* For Female Candidates the subject of Rhetoric to be dropped. The course prescribed for Paper IV of the Viśarada Examination for them is Bhagavad-Gita with Sridhari Tika.

2. "Vajrāghāta" by Hari Nārāyaṇa Apte, translated by Lakṣmī Dhara Vājapeyī (Pratāpa-Pustakalaya, Cawnpore. Price Rs. 2-8-0).

In Paper B 25 marks are assigned to the Essay and 25 to the texts recommended.

For 1935.

Paper III.—Philosophy or Astronomy :—

- (a) Nyāya : Sidhānta Muktāvali by Viśvanātha,
or,
(b) Jyotiṣa : 1. Grahalāghava Panchatārāspaṭīkarāṇanta,
or,
Tājakanīlakanthī-Prathama Tantra.
2. Jātakālankāra,
or,
(c) for girls—

. Dharmaśāstra : Manusmṛiti, Adhyāyas III-IX.

The other papers as for 1934.

Additional Hindi Papers (Optional).

Paper B.—Prose and Composition :—

Substitute "Chatra Sāla" by Bāla Chand Nānak Chand Shah Vakil, translated by Rāma Chandra Varmā, Hindi-Grantha-Ratnākara Kāryalaya, Hirābāgh, Bombay. Price Re. 1-12-0 for No. 2.

The rest as for 1934.

Shāstri or Honours in Sanskrit Examination.

For 1934.

SUBJECTS.	BOOKS.	PAPER.
(a) Veda	Selections from Rīgveda— Māṇḍala I, Sūktas 1, 13, 22, 25, 32, 50, 110, 113, 118, 124, 125, 154, 185; with the intro- duction to Śāyana's commentary and his commentary on the pre- scribed hymns	I.
	Selections from Atharva Veda— I. 32. XII. 1. III. 15, 30. XIII. 3. IV. 16.	
(b) Vedāṅga	Yāska's Niruktaṃ, I-IV and VII	

SUBJECTS.	BOOKS.	PAPERS.
(a) Drama ..	Mrechhakatikā ..	}
(b) Poetry ..	Māgha, Sargas III-IX* ..	
(c) Prose ..	Kādambari, first half ..	
(d) One or two questions on the History of Kavya Literature.—Sanskrita Sahitya ka Itihasa (History of Sanskrit Literature), Vol. I, by Veda Vyasa, Hindi Press, Lahore, Price Rs. 2-4-0 (Students' edition), is recommended for study ..		
One of the following :—		
(a) Nyāyasastra ..	Gautama's Nyāyadarshana with Vātsyayana's Bhashya ..	}
	or,	
(b) Vedāntasastra ..	Śaṅkarācārya's Śārīraka Bhāṣhya ..	
	or,	
(c) Dharmasastra ..	Mitākṣara ..	
	or,	
(d) Vyākaranasastra ..	Mahābhāṣya, first nine Aṅnikas ..	
	or,	
(e) Alamkaraśāstra ..	Kāvyaaprakāśa ..	
	or,	
(f) 1. Sankhya—Sankhyatattva—Kaumudi, with the commentary of Bala Rama Udasi, Gurumandala, Haridwar.		}
2. Yoga—Yogadarasana with Vyasa's Bhasya		
	or,	}
(g) Mimansadarsana with Sabara Bhasya, first four chapters ..		
Translation ...	From Sanskrit into Hindi and vice versa ..	}
Grammar ..	(a) Siddhanta Kaumudi of Bhattoji Dikṣita, second half with Svavaidiki, omitting Phakkikas ..	
	(b) Mahabhasya, Aṅnikas I and II ..	}
Composition ..	In Sanskrit ..	

III.
IV.
V.
VI.

III.

IV.

V.

VI.

Additional Hindi Papers (Optional).

Paper A.—Poetry and Drama :—

1. Bhusana Granthavali, edited by Shyama Vihari Misra, M.A., and Sukadeva Vihari Misra, B.A., Nagari Pracharini Press, Benares.
2. "Anjanā" by Sudarsana (Hindi-grantha-ratnākara Press, Hīrābāgh, Girgaon, Bombay. Price Re. 1-2-0).

Paper B.—Prose and Composition :—

1. Gadya Kusumāvali by Shyama Sundara Dāsa, B.A., LL.B., Indian Press, Allahabad.

2. "Nibandha-ratnāvalī," compiled by Rām Chandra Varmā [Sāhitya-ratna-mālā Kāryālaya, Benares. Price Rs. 2 (unbound)] is recommended for style.

For 1935.

Paper I.—Selections from Rigveda—Add Sūkta No. 164 with the commentary of Atmananda as published in "The Commentary of Sri Atmananda on the 'Asya Vamasya' hymn of the Rigveda 1, 164" edited by Promnidhi Shastri and published by the Punjab Sanskrit Book Depôt, Said Mittha Bazar, Lahore. Price annas four only.

Paper II (b).—Poetry—Substitute "Māgha—Sargas III–XI" for "Māgha—Sargas III–IX".

Paper III.—Add "or (h) Jyotisa—1. Bṛihajjātaka.
2. Muhurta Cintāmani."

The other papers as for 1934.

Additional Hindī Papers (Optional).

Paper A.—Substitute "Uttara-rāma-Caritra by Satyanārāyana, Coronation Press, Agra. Price 12 Annas" for No. 2.

The rest as for 1934.

Examinations in the Persian Language and Literature.

The following are the details of the examinations in the Persian Language and Literature :—

Munshī or Proficiency in Persian Examination.

For 1934.

SUBJECTS.	BOOKS.	PAPERS.
Grammar ..	Aḥsan-ul-Qawā'id ..	I.
History of Literature.	Shi'r-ul-'Ajam, Part I, by M. Shibli	
Prose ..	Intermediate Course Farsi (Prose Selections) (Edition 1926); Ruqqa'-āt-i-'Ālamgīri, Ḥakīm-i-Nabātāt, Gulistān (omitting Chapter V) ..	II.

SUBJECTS.	BOOKS.	PAPERS.
Poetry ..	Intermediate Course Farsi (Poetical Selections) (Edition 1926); <i>Tuh-fat-ul-Ahrār-i-Jāmī</i> ; <i>Rubā'iyātī</i> 'Umar Khayyām	III.
Moral Philosophy	<i>Akhlaq-i-Muhsinī</i>	
Translation ..	Persian into Urdu, Urdu into Persian	IV.
Elementary Arabic—		
Grammar ..	"Arabic Grammar for the second class of Middle Schools by Qādī Mir Ahmad Shāh"	VI.
	or, "Naḥw Mir"	
Reader ..	Sullam-ul Adab (Col. Holroyd's edition)	

Paper II.—

For 1935.

Substitute * "Waqai' Alamgir" by Chaudhri Nabi Ahmad Sandilavi, M.R.A.S. Price Re. 1-8-0, in place of "Ruqqa'-āt-i-'Ālamgīri".

The rest as for 1934.

Munshī 'Alim or High Proficiency in Persian Examination.

For 1934 and 1935.

SUBJECTS.	BOOKS.	PAPERS.
Grammar ..	<i>Risāla-i-'Abdul Wāsi</i>	I.
Prosody ..	<i>'Arūd Saifi</i>	
History of Literature.	<i>Shi'r-ul-'Ajam</i> , Parts 2 and 3	
Prose ..	(1) Persian B.A. Course (Edition 1926) (Prose portion only); (2) <i>Sar Guzash-t-i-Wazīr-i-Lankurān</i> ; (3) <i>Intikhāb Tadhkira Dawlat Shāh Samarqandī</i> , published by the Anwār-i-Ahmadi Press. (Only literary and not historical questions are to be asked.) (4) <i>Mihri Nīmroz</i> ; (5) <i>† Lisān-al-'Ajam</i> , Part I, by Mir Hussain Ali (Price 10 annas)	II.

* Can be had of the author whose address is Civil Lines, Aligarh.

† To be had of the author—Mir Hussain Ali—Farsi Book Depot, Mahalla Chihil Bibian, Lahore.

SUBJECTS.	BOOKS.	PAPERS.
Poetry	.. * Persian B.A. Course (Edition 1926) (Poetry portion only); Matla'- ul-Anwār-i-Amīr Khusraw; Qasā'id-i-'Urī	III.
Moral Philosophy	Akhlāq-i-Nāsiri	
Translation	.. Persian into Urdu and <i>vice versa</i>	IV.
Composition	.. An essay in Persian	V.
Arabic—		
Grammar	.. Kitāb-us-Ṣarf and Kitāb-un-Nahv by Hājī 'Abdur-Rahmān	VI.
Reader	.. The Intermediate Arabic Course, 1928—Prose Selections only	

Additional Urdu Papers (Optional)

As for Maulvī 'Alim Examination.

Munshī Fāzil or Honours in Persian Examination.

For 1934.

SUBJECTS.	BOOKS.	PAPERS.
Rhetoric and Prosody.	Dabīr 'Ajām by M. Aṣghar 'Alī Rūhī (Price Rs. 3-4-0)	I.
Arabic Literature	Simt al-Durar (published by the University of the Panjab)—Prose sections only	
History of Persian Literature.	Shi'r-ul-'Ajām, Parts 4 and 5	
Prose	*Chahār Maqāla; Abul Fadl Daftars I and III; Hājī Bābā Isfahāni; Maqāmāt-i-Ḥamīdī, omitting Maqāmas 17 and 18; Wukalā-i-Murāfi'a	II.
Poetry	.. Selections from Qa'ānī (published by the Panjab University)—can be had from Rai Sahib M. Gulab Singh and Sons, Lahore; Ghazaliyāt-i-Nāziri; Sāqināmeḥs of May-khāna, Martaba I; Rubā'iyāt-i-Abū Sa'īd Abul Khayr, Rubā'iyāt Bābā Ṭāhir	III.

* Can be had of the Manager, Paisa Akhbar, Lahore, for 12 annas.

SUBJECTS.	BOOKS.	PAPERS.
History	.. <i>Tārīkh Wasṣāf, omitting the Arabic quotations (from the beginning to the end of Julūs Arghūn). Edited by Prof. Mohd. Iqbal</i> ..	IV.
	<i>Humāyūn Nāmeh (Lucknow, 1925)</i>	

Questions to be asked both on the subject-matter and the language.

Mysticism and Moral Philo- sophy.	<i>Akhlāq-i-Jalālī (excluding Bahth Naḡma); Kashf-ul-Mahjūb of Hujwiri up to the end of the Sufi Sects; Gulshan-i-Raz and Mantiq-al-Tair</i>	V.
Translation and Composition.	Urdu into Persian An essay in elegant Persian	VI.

Additional Urdu Papers (Optional).

As for Maulvī Fāzil Examination.

For 1935.

Paper II.—

Substitute “Siyahat Nāmeh Ibrahim Beg, Vol. II” instead of “Maqāmāt-i-Hamīdī.....18”.

The rest as for 1934.

Examinations in Vernacular Languages.

URDU.

Proficiency in Urdu Examination.

For 1934 and 1935.

SUBJECTS.	BOOKS.	PAPERS.
Grammar	.. <i>Misbāh-ul-Qawā'id (Etymology)</i> ..	I.
Prosody	.. <i>Bahr-ul-'Urūd</i>	II.
Rhetoric	.. <i>Tazkirat-ul-Balāghat</i>	
Literature, Poetry.	<i>Chahār Gulzār-i-Hālī</i> <i>Guldasta-i-Muhsin Kakauravi</i>	III.

SUBJECTS.	BOOKS.	PAPERS.
Prose	.. Ibn-ul-Vaqt by S.U. Maulvi Nazir Ahmad ..	IV.
	Nairang-i-Khayāl by S.U. Maulvi Muhammad Husain Azad ..	
	Urdū-i-Mu'allā ..	
	1. Muwāzina-i-Anīs-o-Dabīr ..	
	2. "Moqaddimah" only of Dīwān-i-Ḥālī ..	V.
Composition ..	An essay in Urdu ..	VI.

High Proficiency in Urdu Examination.

For 1934 and 1935.

Grammar and Rhetorics.	Misbāh-ul-Qawā'id (Syntax) ..	I.
	Nikāt-i-Sakhun by Syed Fazl-al-Hasan Hasrat Mohani, in 3 parts. Price Re. 1. (To be had of the author, Hasrat Road, Cawnpore) ..	
Language ..	Āb-i-Ḥayāt in full ..	
Literature, Poetry.	Majmū'a-i-Nazm-i-Āzād ..	
	Musaddas-i-Ḥālī ..	III.
	Intikhab-i-Makhzan Hissa-i-Nazm ..	
	Qasā'id-i-Dhātīq ..	
	Yādgar-i-Nasīm, edited by M. Asghar (Indian Press, Allahabad) ..	
Prose ..	ʿUd-i-Hindī ..	IV
	Yādgar-i-Ḥālīb (omitting Persian quotations) ..	
	Darbāri-i-Akbarī (omitting the Ta-timma) ..	V.
Composition ..	An essay in Urdu ..	VI.

Honours in Urdu Examination.

For 1934 and 1935.

Philosophical and Historical Prose.	1. Rūh-al-Ijtīmā' (Maarif Press, Azamgarh, U.P.) ..	I.
	2. Al-Fārūq by Mawlana Shibli ..	
	3. Ḥayāt-i-Sa'dī by Mawlana Ḥālī ..	

SUBJECTS.	BOOKS.	PAPERS.
Literary Prose and Novel.	1. Chahār Darwesh by Mīr Amman	II.
	2. <u>Khayalistān</u> by M. Sajjad Haidar	
	3. <u>Sīparai Dil</u> by Kh. Hasan Nizami	
	4. <u>Ifādāt-i-Mehdi</u>	
	5. <u>Ro'yā-i-Šādiqa</u> by Dr. Nazir Ahmad	
Poetry and Criticism.	1. <u>Dīwān-i-Mīr Dard</u>	III.
	2. <u>Dīwān Hālī Ma' Muqaddima</u>	
	3. <u>Dīwān-i-Ghālīb Urdu</u>	
	4. <u>Qaṣā'id-i-Dhauq</u>	
History of Literature.	1. <u>Tarikh Adab-i-Urdū</u>	IV.
	(Urdu Translation of Saksena's <i>History of Urdu Literature</i> , Nawal Kishore Press, Lucknow.)	
	2. * <u>Nātak Sāgar</u> , chapters 12 and 13 only, by M. Mohd. Umar	
	Suggested books :—	
	<u>Gul-i-Ra'nā</u>	
Prosody and Rhetoric.	1. <u>Tarjuma-i-Hadā'iq-al-Balāghat</u> by Šahbā'i (Price 6 annas)	V.
	2. † <u>Risāla-i-Tadhkīr Ta'nith</u> by Jalali Lucknawi	
Composition ..	An essay in Urdu	VI.

* These Chapters have been separately printed and can be had of :—

1. Messrs. Mahmood Brothers, Publishers, Jammu,

or,

2. Messrs. Mumtaz Ali and Sons, Publishers and Booksellers, 195, Railway Road, Lahore. Price Re. 1.

† Can be had of al-Nazir Book Agency, Lucknow.

HINDI.

Hindi Rātna or Proficiency in Hindi Examination.

For 1934.

SUBJECTS.	BOOKS.	PAPER.
Grammar, Pro- sody and Rhetoric.	<p>The following syllabus is prescribed :—</p> <p>I. Orthography. Correct spelling to be emphasised.</p> <p>II. Parts of Speech : —</p> <p>(i) Noun (संज्ञा).</p> <p>(a) Kinds (भेद).</p> <p>(b) Gender (लिङ्ग).</p> <p>(c) Case (कारक).</p> <p>(d) Number (वचन).</p> <p>(e) Declension (रूपरचना).</p> <p>(ii) Pronouns (सर्वनाम).</p> <p>(a) Kinds (भेद).</p> <p>(b) Declension (रूपरचना).</p> <p>(iii) Adjective (विशेषण).</p> <p>(a) Kinds (भेद).</p> <p>(b) Degrees of comparison.</p> <p>(iv) Verb (क्रिया).</p> <p>(a) Kinds (भेद).</p> <p>(b) Voice (वाच्य).</p> <p>(c) Tense (काल).</p> <p>(d) Mood (प्रकार).</p> <p>(e) Number (वचन).</p> <p>(f) Person (पुरुष).</p> <p>(g) Gender (लिङ्ग).</p>	

SUBJECTS.	BOOKS.	PAPERS.
	(h) Nominal Verb (नामधातु).	I.
	(i) Compound Verb (संयुक्तक्रिया).	
	(j) Causal Verb (प्रेरणार्थकक्रिया).	
	(v) Adverb (क्रियाविशेषण).	
	(a) Kinds (भेद).	
	(b) Formation (रचना).	
	(vi) Postpositions (सम्बन्धबोधक).	
	(vii) Conjunctions (समुच्चयबोधक).	
	(viii) Interjections (विस्मयादिबोधक).	
	III. Parsing (शब्दबोध) and Analysis (विश्लेषण).	II.
	IV. Punctuation (विरामचिह्न).	
	V. Sandhi and Compounds (समास).	
	VI. Derivation (व्युत्पत्ति).	
	VII. उपसर्ग and प्रत्यय.	
	VIII. Explanation of easy idioms.	
Poetry	.. Tulasī Rāmāyaṇa, Kāṇḍas III, IV and V	
	Navaratna (Hindi Bhavana, Lahore). Price 12 annas ..	
	"Navīna-padya-mañjūṣā" (Hindi Bhavana, Hospital Road, Lahore. Price Ro. 1-8-0)	
Drama	.. Satya Harischandra by Bharatendu Harischandra, Khadga Vilasa Press, Bankipore ..	III.
	"Pūrva Bhārata" by Shyāma Vihārimiśra and Śukadeva Vihāri Miśra (Gangāpustaka-malā-Kāryālaya, Lucknow). Price 14 annas	
	Pratāpa-Pratijñā by Jagan Nātha Prasāda Milinda, Hindi Bhavana, Anarkali, Lahore. Price 11 annas	

SUBJECTS.	BOOKS.	PAPERS.
Literature	<p>• Sachitra Mahābhārata by Māhāvira Prasada Dvivedi (Indian Press, Allahabad)</p> <p>• Ādhunika Hindi Gadya by Lakshmi Chandra Khurānā [Hindi Bhavana, Hospital Road, Lahore. Price Re. 1 (unbound)]</p>	IV.
History	<p>.. Maharāṣṭra-Kosarī by Pandit Tārā Charaṇa, Agnihotri, Rama Prasada and Brothers, Agra. Price Re. 1-4-0</p> <p>.. Bhārata Varṣa kā Itihāsa, Part I, by Veda Vyāsa, M.A. (Messrs. Shamsher Singh and Co., Katchori Road, Lahore. Price Re. 1)</p>	
Composition and Essay-writing.	<p>Prabandhakalā by Rāma Chandra Shukla (The Punjab Printing Works, Lahore. Price Re. 1)</p> <p>or,</p> <p>“Rachanā-Pīyūṣa” by Chandra Mauli, Sukla (Indian Press, Allahabad, Price Re. 1-4-0) is recommended for study</p>	VI.

For 1935.

Paper II.—“Hindi Vilāsa”, edited by Sūrya Kānta, published by the Panjab University.

Paper III.—*Substitute* “Durgā Dāsa” by Dvijindra Lala Rāya, (Hindi-Grantha-Ratnākara Kāryālaya, Hirābāgh, Bombay). Price Re. 1 (Students’ edition) for “Pūrva Bhārata”.

Paper IV.—1. “Hindi-ratna-Sangraha”, edited by Sant Ram, published by the Panjab University.

2. “Galpa-mañjarī” by Sudarśana (Punjab Sanskrit Pushtakālaya, Said Mittha, Lahore).

The rest as for 1934.

*Hindi Bhūṣaṇa or High Proficiency in Hindi Examination.**For 1934.*

SUBJECTS.	BOOKS.	PAPERS.
Grammar, Prosody and Rhetoric.	1. Saṅkṣipta Hindi-Vyākaraṇa by Kāmata Prasāda (Guru. Indian Press, Allahabad. Price 14 annas)	I.
	2. "Alankara-Prabodha" by Rama Ratna, Sahitya-ratna Bhandara, Agra	
Poetry ..	1. Tulasī Rāmāyaṇa, Bāla Kāṇḍa and Ayodhyā Kāṇḍa	II.
	2. Sūra Saṅgraha, edited by Lala Bhagvān Din (Gāndhi Hindi Pustaka Bhandāra, Allahabad. Price Re. 1)	
	3. Kabira-Vachanāmṛta, edited by Omkāra Nātha, Bhāradwāja (The Punjab Sanskrit Book Depôt, Said Mittha Bazar, Lahore. Price Re. 1)	
	4. Śiva Bāvanī, Hindi Sahitya Sammelana, Allahabad	
Drama ..	1. "Sakuntlā Nāṭaka" by Rāja Lakshman Singh, Sahitya-ratna-Bhandāra, Agra	III.
	2. "Durgā-vatī" by Badarī Nātha Bhatta, Gaṅgā-pustaka-mālā Kāryālaya, Lucknow. Price Re. 1	
	3. "Buddha Charitra" by Rūpā-nārāyaṇa Pāndeya (Gaṅgā-pushtaka-mālā Press, Lucknow. Price 12 annas)	
	4. "Jayadrathabadha" by Gokula Chandra Sharma, B.A. (Gaṅgā-pushtaka-mālā Press, Lucknow. Price 14 annas)	
Prose ..	"Galpa Samuchchaya," compiled by Prem Chand (Sarasvati Press, Benares. Price Rs. 2-8-0)	IV.
	"Ādarsa-mahilā," translated into Hindi by Pandit Janārdana Jhā, Indian Press, Allahabad. Price Re. 1-4-0	

SUBJECTS.	BOOKS.	PAPERS.
History	"Bhārata Varṣa kā Itihāsa," Part II, by Sitā Ram Kohli and Ishvari Prasāda, Punjab edition (Indian Press, Allahabad. Price 14 annas) "Buddhadeva" by Sarat Kumāra Rai, Indian Press, Allahabad. Price Re. 1-4-0	V.
Composition ..	Composition and Essay-writing .. Nibandhamālā, Part I, by Shyāma Sundara Dāsa, Nāgarī Pracharīṇī Sabhā, Benares, is recommended for study	VI.

For 1935.

Paper III.—Substitute "Sītā" by Dvijindra Lal Rāya (Hindi-
 Grantha-Ratnākara Kāryālaya, Hīrābāgh, Bombay). Price
 10 annas, for No. 2.

The rest as for 1934.

Hindī Prabhākara or Honours in Hindī

For 1934.

Grammar, Pro- sody and Rhetoric.	1. Bhārati-bhūṣaṇa by Arjuna Dāsa Kediya (Bharatī Bhū- sana Kāryālaya, Benares. Price Rs. 2) 2. Chhanda Prabhakara, Venka- tesvara Press, Bombay 3. "Sahityalochana" by Shyama Sundara Dasa, Sahitya-ratna- mālā Kāryālaya, Benares ..	I.
Poetry	1. Sanksipta Vihāri by Ramāsa- kara Prasāda, Indian Press, Allahabad. Price Re. 1-8-0 2. "Bihari Satsai," a critical study of, by Pandit Padma Simha Sharma, Jñana Man- dala, Benares	II.

* Bhārata Varṣa kā Itihāsa, Part II, by Ishvari Prasāda, is
 the same book as Bhārata Varṣa kā Itihāsa, Part II, by Sita
 Ram Kohli and Ishvari Prasāda, though the name of Mr. Sita
 Ram Kohli has inadvertently been omitted from one edition
 issued.

SUBJECTS.	BOOKS.	PAPERS.
	3. "Vira Satsai" by Viyogi Hari, Gandhi Hindi Pustaka Bhandara, Prayaga. Price Re. 1-8-0 ..	II.
	4. Selections from Prithvi Raj Rasau, prepared by Pt. Mathura Prasada, Chiefs' College, Lahore ..	
Drama ..	1. Chandragupta Nātaka by Badri Natha Bhatta, B.A. (Ratnāsrama, Agra. Price 8 annas).	III.
	2. Mudra-Raksasa by Harischandra ..	
	3. Mricchakatika by L. Sita Ram, B.A., 203 Muthiganj, Allahabad ..	
	4. Rājārānī, translated by Rupa Nārāyana Pāṇḍeya, Indian Press, Allahabad. Price Re. 1-4-0 ..	
Prose ..	1. "A Historical criticism of Hindi Prose" by Rama Kanta Tripathi, M.A., Hindi Sahitya Mala Kāryālaya, Cawnpore. Price Rs. 3-8-0.	IV.
	2. "Prema Sagara" by Lallu Lal.	
	3. Gadya-muktāvali by Ayodhyā Nātha Sharmā (Gautama Brothers Company, Meston Road, Cawnpore. Price Rs. 2)	
	4. "Prachina Sahitya" by Rabindra Nath Tagore, translated into Hindi by Rama Dahina Misra, Hindi Bhavan, Lahore. Price 9 annas ..	
	5. Sāhitya Samikṣā by Kālidāsa Kapur, Indian Press, Allahabad. Price 12 annas ..	
History ..	Hindi Sāhitya kā Itihāsa by Rāma Chandra Śukla (Indian Press, Allahabad. Price Rs. 4) ..	V.
Composition and Essay-writing.	"Nibandha-ratnāvalī," compiled by Rāma Chandra Varmā [Sahitya-ratna-mālā Kāryālaya, Benares. Price Rs. 2 (unbound)], is recommended for study ..	VI.

For 1935.

Paper I.—*Substitute* “Alaṅkāra manjūsā” by Bhagwan Din,
for No. 1.

Paper III.—*Substitute* “Chandragupta” by Dvijindra Lal Rāya,
for No. 1.

Paper V.—*Add*:—

“or,

Hindi kā Vivechanātmaka Itihāsa” by Sūrya Kānta, Mehr
Chand Lakshman Dass, Said Mittha, Lahore.

The rest as for 1934.

PANJABI (GURMUKHI).

Budhiman or Proficiency in Panjabi Examination.

For 1934 and 1935.

Grammar and Prosody.—

(a) Grammar:—

(i) ਸ਼ਬਦ-ਜੋੜਾਂ ਦੇ ਨੇਮ ।

(ii) Eight parts of speech, their classification,
inflection and conjugation and parsing.

(b) Prosody:—

(i) ਵਚਨ, ਮਾਤ੍ਰਾ, ਗਣ, ਲਘੂ, ਗੁਰੂ, ਚਰਣ, ਤੁਕ ਤੇ
ਬਿਸਰਾਮ ਦੇ ਲੱਛਣ ਤੇ ਉਦਾਹਰਣ ।

(ii) ਹੇਠਾਂ ਲਿਖੇ ਛੰਦਾਂ ਦੇ ਲੱਛਣ, ਰੂਪ ਤੇ ਉਦਾਹਰਣ:—

(ੳ) ਵਰਣਿਕ ਛੰਦ—ਕਬਿਤ, ਸਵੱਯਾ, ਕੋਰੜਾ ।

(ਅ) ਮਾਤ੍ਰਿਕ ਛੰਦ—ਚੌਪਈ, ਚੌਹਿਗ, ਸੋਰਠਾ,
ਰੋਲਾ, ਕੁੰਭਲੀਆਂ, ਸਿਰਖੰਡੀ ।

I.

Books suggested for (a):—

੧. ਸ਼ਬਦ ਜੋੜਾਂ ਦੇ ਨੇਮ ।

੨. ਨਵੀਨ ਪੰਜਾਬੀ ਵਿਆਕਰਣ ਭਾਗ ੨ ।

By Bhai
Karam
Singh,
Khalsa
College,
Amritsar.

SUBJECTS.	BOOKS.	PAPERS.
Literature, <i>Old</i>	(a) Jajji	II.
<i>Poetry</i> and	(b) Bārān Manh Majh	
History of	(c) Asa-di-Wār	
Literature.	(d) Hans Chog by B. Budh Singh ..	
Literature, <i>Prose</i>	(a) "Panjabee Lekh" by Mehtab Singh, Gyani, published by Messrs. Uttar Chand Kapur and Sons, Lahore ..	III.
	(b) Tej Kaur by I. C. Nantla ..	
	(c) Baba Phula Singh by Bawa Prem Singh of Hati Mardān ..	
Literature, <i>Modern Poetry.</i>	(a) Lakhshmi Devi by L. Kripa Sagar, Parts I and II ..	IV.
	(b) "Sunehari Kalian" by Feroz-ud-Din, published by Darshan Press, Amritsar. Price 12 annas (paper cover) ..	
Drama, <i>Natak..</i>	(a) "Sawitri Sukanya" by Brij Lal Shastri	V.
	(b) "Ranjit Singh" (Part I) by Kripa Sagar	
Composition ..	No fixed books	VI

Vidwan or High Proficiency in Panjabi Examination.

For 1934.

Paper I.—

Grammar and Prosody :—

(a) Grammar :—

Orthography with emphasis on correct spelling of words ; eight parts of speech, their classification, inflection and conjugation ; syntax, parsing and analysis.

Books suggested : ' ਨਵੀਨ ਪੰਜਾਬੀ ਵਿਆਕਰਣ ਭਾਗ ੩, by Bhai Karam Singh, Khalsa College, Amritsar.

(b) Prosody :—

(i) ਹੇਠਾਂ ਲਿਖੇ ਛੰਦਾਂ ਦੇ ਲੱਛਣ, ਰੂਪ ਤੇ ਉਦਾਹਰਣ :—

ਮਾਤ੍ਰਿਕ ਛੰਦ—ਕਾਫ਼ੀ, ਬੈਂਤ, ਫੇਉਫ, ਸਵੱਯਾ, ਦਵੱਯਾ, ਅਜ਼ਿਲ, ਝੁਲਨਾ ਫਪੈ, ਰੁਬਾਈ, ਚਿਤ੍ਰਕਲਾ (ਜਾਂ ਸੋਲਹਾ) ।

(ii) ਹੇਠਾਂ ਲਿਖੇ ਅਲੰਕਾਰਾਂ ਦੇ ਲੱਛਣ ਤੇ ਉਦਾਹਰਣ :—

ਛੇਕੇ ਅਨੁਪਾਸ, ਬ੍ਰਿਤ ਅਨੁਪਾਸ, ਯਮਕ ਅਨੁਪਾਸ, ਲਾਟ
ਅਨੁਪਾਸ, ਵੀਪਸਾ ਅਨੁਪਾਸ, ਸੰਤ ਅਨੁਪਾਸ (ਜਾਂ
ਕਾਛੀਆ), ਉਪਮਾ, ਰੂਪਕ, ਦੀਪਕ, ਵਿਆਜ, ਨਿੰਦਾ,
ਲੋਕੋਕਤੀ, ਛੇਕੋਕਤੀ, ਗੁਣੋਕਤੀ ।

Paper II.—

Literature, *Old Poetry* and History of Literature :—

- (a) "Sri Rag from Adi Granth."
- (b) Waran Bhai Gurdas, first 20.
- (c) Koilkoo by B. Budh Singh.

Paper III.—

Literature, *Prose* :—

- (a) Puratan Janam Sakhi Guru Nanak (Vazir-Hind Press).
- (b) Sundari (Khalsa Tract Society).
- (c) Pavitra Jiwan (Kh. Tr. Society).

Paper IV.—

Literature, *Modern Poetry* :—

- (a) Guldasta Hir by S. Amar Singh (Publishers, Gulab Chand Kapur and Sons).
- (b) Vajid jide Shalok, by Pandit Omkar Nath.
- (c) Shalok (Farid).
- (d) Var Nadir Shah by Bawa Kartar Singh, M.A.
- (e) Mala by Zafar Alam.

Paper V.—

Drama, *Natak* :—

- (a) "Ranjit Singh," Part II, by Kripa Sagar.
- (b) "Var Ghar" by I. C. Nanda.

Paper VI.—

Composition :—

No fixed book.

For 1935.

Paper IV.—

Add (f) Chandi-di-Var, annotated by Pandit Omkar Nath.
The rest as for 1934.

*Gyani or Honours in Panjabi Examination.**For 1934 and 1935.**Paper I.—*

Grammar and Prosody :—

(a) Grammar :—

- (i) Formation of words, correct spelling, punctuation, parsing and analysis.
- (ii) General questions on idioms, uses of words, phrases and proverbs.

(b) Prosody :—

(i) ਖਿੰਗਲ :—

(1) ਕਵਿਤਾ ਕੀ ਹੈ ?

(2) ਕਵਿਤਾ ਦੇ ਭੇਦਾਂ—ਬਾਗੰਮਾਹ, ਸਤਵਾਹ, ਸੀਹਰਛੀ, ਪੈਂਤੀ ਅਖਰੀ, ਸਦ, ਘੋੜੀਆਂ, ਸਿਠੜੀਆਂ, ਅਲਾਹਣੀਆਂ, ਗਜ਼ਲ, ਵਾਰ, ਚਉਬੋਲਾ, ਅਸ਼ਟਪਦੀ, ਪਉੜੀ, ਸਲੋਕ, ਬਿਸ਼ਨਪਦਾ ਦੇ ਲੱਛਣ ।

(3) ਲਘੂ, ਗੁਰੂ, ਵਰਣ, ਮਾਤ੍ਰਾ, ਗਣ, ਚਰਣ, ਤੁਕ, ਬਿਸਰਾਮ ਦੇ ਲੱਛਣ ਤੇ ਉਦਾਹਰਣ ।

(4) ਹੇਠਾਂ ਲਿਖੇ ਛੰਦਾਂ ਦੇ ਲੱਛਣ, ਰੂਪ ਤੇ ਉਦਾਹਰਣ :—

ਕਬਿੱਤ, ਵਰਣਿਕ ਸਵੱਯਾ, ਮਾਤ੍ਰਿਕ ਸਵੱਯਾ, ਕੋਰੜਾ, ਚੌਪਈ, ਦੋਹਿਰਾ, ਸੋਰਠੀ, ਹੋਲਾ, ਹੁੰਡਲੀਆਂ ਕਾਛੀ, ਬੈਂਤ, ਨਵੀਨ ਬੈਂਤ, ਰੁਬਾਈ, ਸਿਰਖੰਡੀ, ਚਿਤ੍ਰਕਲਾ (ਜਾਂ ਸੋਲਹਾ), ਅਭਿਲ, ਭੋਉਢ, ਛਪੈ, ਝੂਲਨਾ, ਸਵੱਯਾ ਰੱਤਾ. ਗੀਤਾ ਮਾਲਤੀ, ਰਸਾਵਲ, ਤਾਟੰਕ ।

(ii) ਅਲੰਕਾਰ:—

(1) ਸ਼ਬਦ ਅਲੰਕਾਰ—ਅਨੁਪਾਸ ਅਲੰਕਾਰ (ਛੇਕ, ਬ੍ਰਿਤ, ਯਮਕ, ਲਾਟ, ਵੀਪਸਾ, ਅੰਤ), ਚਿੱਤ੍ਰ ਅਲੰਕਾਰ (ਕਮਲਬੰਦ, ਚੌਕੀਬੰਦ, ਖੜਗਬੰਦ, ਛਣਕਣਾ, ਆਦਿਕ)।

(2) ਅਰਥ ਅਲੰਕਾਰ—ਉਪਮਾ ਅਲੰਕਾਰ (ਪੂਰਣ ਉਪਮਾ, ਅਪੂਰਣ ਉਪਮਾ, ਸੰਗਲੀ-ਵਤ ਉਪਮਾ, ਬਹੁਉਪਮਾ), ਅਨਨਵੈ ਅਲੰਕਾਰ, ਉਪਮੇਸ਼-ਉਪਮਾ ਅਲੰਕਾਰ, ਪ੍ਰਤੀਪ ਅਲੰਕਾਰ, ਦ੍ਰਿਸ਼ਟਾਂਤ ਅਲੰਕਾਰ, ਰੂਪਕ ਅਲੰਕਾਰ, ਉਲੇਖ ਅਲੰਕਾਰ, ਅਤ-ਕਥਨੀ (ਜਾਂ ਮੁਬਾਲਗਾ) ਅਲੰਕਾਰ, ਅਸੰਭਵ ਅਲੰਕਾਰ, ਅਧਿਕ ਅਲੰਕਾਰ, ਅਪਨਹੁਤੀ ਅਲੰਕਾਰ, ਨਿਦਰਸ਼ਨ ਅਲੰਕਾਰ, ਦੀਪਕ ਅਲੰਕਾਰ, ਦੇਹਲੀ ਦੀਪਕ ਅਲੰਕਾਰ, ਏਕਾਵਲੀ ਅਲੰਕਾਰ, ਕਾਰਣਮਾਲਾ ਅਲੰਕਾਰ, ਸਾਰ ਅਲੰਕਾਰ, ਯਥਾ-ਕ੍ਰਮ ਅਲੰਕਾਰ, ਵਿਰੋਧ ਅਲੰਕਾਰ, ਵਿਆਜ ਨਿੰਦਾ ਅਲੰਕਾਰ, ਵਿਚਿਤ੍ਰ ਅਲੰਕਾਰ, ਉਲਾਸ ਅਲੰਕਾਰ, ਅਵਗਿਗਮਾ ਅਲੰਕਾਰ, ਅਨੁਗਿਗਮਾ ਅਲੰਕਾਰ, ਲੇਸ਼ ਅਲੰਕਾਰ, ਮੀਲਿਤ ਅਲੰਕਾਰ, ਉਨਮੀਲਿਤ ਅਲੰਕਾਰ, ਕਾਵਲਿੰਗ ਅਲੰਕਾਰ, ਕਾਵ-ਅਰਥਾਪਤੀ ਅਲੰਕਾਰ, ਰਤਨਾਵਲੀ ਅਲੰਕਾਰ, ਪ੍ਰੋਵੋਤੀ ਅਲੰਕਾਰ, ਪ੍ਰਮਾਣ ਅਲੰਕਾਰ, ਲਲਿਤ ਅਲੰਕਾਰ, ਲੋਕੋਕਤੀ ਅਲੰਕਾਰ, ਛੇਕੋਕਤੀ ਅਲੰਕਾਰ, ਗੁਦੋਕਤੀ ਅਲੰਕਾਰ, ਗੁਵੋਤਰ ਅਲੰਕਾਰ।

- (3) ਦੋਰੰਗੇ ਅਲੰਕਾਰ—ਸਲੇਸ਼ ਅਲੰਕਾਰ, ਵਕਰੋਕਤੀ ਅਲੰਕਾਰ,
ਮੁਦ੍ਰਾ ਅਲੰਕਾਰ, ਪੁਨਰੁਕਤਵਦਾਭਾਸ ਅਲੰਕਾਰ ।

Books suggested under grammar (i) :—

- (1) Panjabi Vyakaran, Part II, by Bhai Ram Singh, Khalsa College, Amritsar.
- (2) Nawin Panjabi Vyakaran, Part III, by Bhai Karam Singh, Khalsa College, Amritsar.

Paper II.—

Literature, *Old Poetry*, and History of Literature :—

- (a) Bhagtan di Bani from Adi Granth.
- (b) Nanak Parkash, edited by S. Sahib Singh, B.A. (Punjab Darpan, Amritsar).
- (c) Babiha Bol by B. Budh Singh.

Paper III.—

Literature, *Prose* :—

- (a) Subhagji (Kh. Tr. Society).
- (b) Nawab Khan by Miran Baksh Minhas, revised by Jodh Singh.

Paper IV.—

Literature, *Modern Poetry* :—

- (a) Bijlian de Har by Bhai Vir Singh.
- (b) Kafian Bullah Shah, edited by Mohan Singh, published by the University of the Punjab. Price Re. 1-8-0 (can be had from the Mufid-i-'Am Press, Lahore).

Paper V.—

Drama, *Natak* :—

- (a) "Vikramorvashi with Introduction" by Man Singh, B.A., LL.B., Vakil, Punjab High Court, Lahore, published by Wazir Hind Press, Amritsar; and
- (b) "Subhadra" by Ishwar Chandra Nanda, Govt. College, Lahore.

Paper VI.—

Composition :—

No fixed book.

Panjabi Examinations in Persian Script.

For 1934 and 1935.

	Proficiency.	High Proficiency.	Honours.
<i>Paper I.—</i> Modern Poetry and Drama.	(a) Asgar-u-Sugra by Pir Nek Alam, Pleader of Kula-chaur. (b) "Puran" by Qadir Yar. (c) Man Tarang by Kripa Sagar (Panjab Univ.).	(a) "Fatenama" by Chaudhri Shahab-ud-Din. (b) "Hir Ranjha" by Ahmad Yar. (c) Sohni, Fazl Shah. (d) Chattihandi Var by Q. Fazl-i-Haq.	(a) "Subhadra" Drama by Ishwar Chandra Nanda. (b) *Jangnama-i-Rustam, pp. 1-168.
<i>Paper II.—</i> Qissajat or Novels in Poetry.	(a) Kissa Bahram. (b) †Hir Muqbal. (c) Sassi Punnu, Ghulam Rasul.	Saif-ul-Maluk Kalan.	Hir Waris Shah or Asal Waddi Hir. (Gulab Singh, 1918.)
<i>Paper III.—</i> Pandname or Ethics in Poetry.	(a) Panj Ganj by Buta Gujrati. (b) ‡Vajid de Shalok by Pt. Omkar Nath.	(a) Maktabat-i-Dilpazir. (b) Siharfihari Mukamal Hidayatulla.	(a) Panjabi Tarjuma Diwan-i-Hafiz by Ghulam Haidar. (b) Ikrām-i-Muhammadi by Dilpazir.

* Can be had of Messrs. Ellahi Bakhsh Jalal-ud-Din, Lahore.

† Can be had from Messrs. Gulab Singh and Sons, Lahore.

‡ Can be had of the Punjab School Supply Depot, Lahore.

	Proficiency.	High Proficiency.	Honours.
<i>Paper III.--</i> (continued).	(c) Panjabi Tarjuma Diwan Hazrat Ghousul-Azam. (d) Panjabi Tarjuma Diwan Hazrat Bu Ali Shah Qalander.	(c) Guldasta Miran Shah. (d) "Darya-i-Marfaf by Fard Faqir." (e) Dohre Hashim Shah.	(c) Kafiha Bulleh Shah, Parts I and II. (d) Abiyat-i-Bahu.
<i>Paper IV.--</i> Dinyat or Religious Poetry.	(a) Hidayat-ul-Mussalmin by Mian Muhammad. (b) Majma Ashar by M. Abdur Satar. (c) Galzar-i-Adam by M. Mohd. Muslam.	(a) *Zahurul Islam. (b) Gulzar-i-Adam by Muhammad Husain, Ahmadabadi.	(a) *Ghazawat-i-Islamiyya. (b) †Khair-ul-Bashar by M. Abdul Latif Arif (omitting introduction and first four pages).
<i>Paper V.--</i> Prose.	(a) Pakki Roti Kalan by M. Ghulam Rasul.	Mitthi Roti.	(a) Sharh Najat-ul-Momanin by M. Mohd. Makhdum.

* Can be had of Messrs. Ellahi Bakhsh Jalal-ud-Din, Lahore.

† Can be had of the author at Gujrat.

	Proficiency.	High Proficiency.	Honours.
<i>Paper V.—</i> (continued).	(b) <i>Puran Bhagat</i> by Brij Lal.		(b) Explanation and use of Panjabi Pro- verbs as in <i>K i t a b-ul-</i> <i>Amsal</i> by Mirza Sul- tan Ahmad. (c) <i>Jatdi Kartoot</i> by Miran Bakhsh and Fazl-i-Haqq.
<i>Paper VI. —</i> Composition and Essay.	No fixed books.	No fixed books.	No fixed books.

*PASHTO.

Proficiency in Pashto Examination.

For 1934 and 1935.

Paper I. (Grammar (Wáfia, Muḥáwarát and Amthál).

Paper II. 1. *Dīwān-i-'Azīm* (Price Re. 1).
2. *Fasāna-i-'Ajā'ib* (Price Annas 8).
3. *Gulshan-i-Afghānī* (Price Annas 8).

Paper III. 1. *Fawā'id-ul-Shariat* (Price Re. 1).
2. *Tafsīr-i-Waḍḍuḥā* (Price Annas 4).

Paper IV. An easy essay in Pashto.

* The Pashto books recommended can be had of M. Abdul Khaliq, Bookseller and Stationer, Kissa Khani Bazaar, Peshawar City.

*High Proficiency in Pashto Examination.**For 1934 and 1935.*

- Paper I.* 1. *Dīwān-i-‘Abdul Rahmān* (Price Annas 8).
 2. *Kuliyyāt-i-Khushhāl Khān*, edited by M. Abdul Majid Afghani.
 (Part I from pages 1 to 98 and Part II from pages 1 to 100) (Price of complete book, Rs. 5).
- Paper II.* 1. *Ta’rīkh-i-Afāghina* by M. Abdul Majid Afghani (Price Re. 1-8-0).
 2. *Shāhnāma* (first 200 pages) (Price Re. 1-4-0).
- Paper III.* *Sirāj-ul-Haj* (the whole) (Price Re. 1).
- Paper IV.* An essay in elegant Pashto.

*Honours in Pashto Examination.**For 1934 and 1935.*

- Paper I.* *Kuliyyāt-i-Khushhāl Khān* (Part II from pages 300 to 606) (Price of the complete work, Rs. 5).
Dīwān ‘Abdul Hamid (Price Re. 1).
- Paper II.* 1. *Qisṣ-ul-Anbiyā* (Price Re. 1).
 2. *Akhun Gadā* (Price Re. 1).
- Paper III.* *Asrār-ul-‘Arifin* (Price Re. 1-8-0).
- Paper IV.* An essay in elegant Pashto.

**Courses of Study prescribed by the Senate for the
 Medical Examinations of 1934 and 1935.**

FIRST PROFESSIONAL EXAMINATION.*For 1934 and 1935.***Anatomy—**

1. Gray's Descriptive and Surgical Anatomy.
2. Cunningham's Practical Anatomy.

Physiology—

1. Halliburton's Hand-book of Physiology.
2. Cole's Physiological Chemistry.
3. Anrep and Harris Practical Physiology.
4. Schafer's Essentials of Histology.

SECOND PROFESSIONAL EXAMINATION.

For 1934.

Materia Medica—

Pharmacology and Therapeutics or the Action of Drugs
by Cushny.

Or,

Hale White's Materia Medica.

Or,

Ghosh's Materia Medica.

Pathology—

1. Green's Manual of Pathology and Morbid Anatomy.
2. Muir and Ritchie's Manual of Bacteriology.

Or,

An Introduction to Practical Bacteriology by Mackie
and McCartney.

For 1935.

Materia Medica—

The same as for 1934.

Pathology—

- (i) A Text-book of Pathology by Muir,

or,

- (ii) A Text-book of Pathology by MacCallum.

- (iii) Handbook of Bacteriology by Bigger,

or,

- (iv) An Introduction to Practical Bacteriology by Mackie
and McCartney.

THIRD PROFESSIONAL EXAMINATION.

For 1934 and 1935.

Forensic Medicine—

Lyon's Medical Jurisprudence.

Or,

Smith's Forensic Medicine.

Or,

Dixon-Mann's Forensic Medicine and Toxicology.

Hygiene—

1. Parkes and Kenwood's Hygiene.

Or,

Indian Hygiene and Public Health by Dunn and Pandya.

FINAL PROFESSIONAL EXAMINATION.

For 1934.

Medicine—

1. Price's Text-book of the Practice of Medicine.
2. Tropical Medicine by Rogers and Megaw.
3. Hutchison and Rainy's Clinical Methods.

Or,

Finalyson's Clinical Manual.

Surgery—

1. Rose and Carless's Manual of Surgery.

Or,

- Gask and Wilson's Text-book of Surgery.
2. Caird and Cathcart's Surgical Handbook.
3. Waring's Operative Surgery.

Midwifery—

1. Johnston's Midwifery.
2. Tweedy and Wrench's Rotunda Practical Midwifery.

Gynæcology—

Steven's or Blair Bell's Principles of Gynæcology.

Diseases of Children—

Hutchison's Clinical Lectures on Diseases of Children.

Eye Diseases—

Parson's Diseases of the Eye.

Nose, Throat and Ear Diseases—

1. Porter's Diseases of the Ear, Nose and Throat ; edited by Logan Turner.
2. Clinical Examination of the Ear, Nose and Throat by Dr. Bhagwan Das Uberoi.

For 1935.

Diseases of Children—

Hutchison's Lectures on Diseases of Children.

The rest as for 1934.

The First Examination in Law, 1934.*List of Acts and Books recommended for perusal.*

(Only the latest editions of text-books and Acts incorporating amendments to date are prescribed.)

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| <i>Paper I</i> .. | Jurisprudence and Principles of Roman Law. | 1. Jurisprudence by Sir John Salmond.
2. W. A. Hunter's Introduction to Roman Law, edited by A. F. Murison. |
| <i>Paper II</i> .. | Constitutional Law of England and India. | 1. Introduction to the Study of the Law of the Constitution by A. V. Dicey.
2. The Government of India by C. L. Anand. |
| <i>Paper III</i> .. | Hindu and Mohamadan Law, and Punjab Customary Law. | 1. D. F. Mulla's Principles of Hindu Law, 7th Edition, <i>omitting</i> Sections 41 to 43, 45 to 56, 60, 68 to 94 and 149 to 157.
2. D. F. Mulla's Principles of Mohamadan Law, 10th Edition (<i>omitting</i> Sections 50 to 65, 80 to 97 and Chapter XIII dealing with Pre-emption excepting names and definitions of the various classes of heirs under each head).
3. A Treatise on Customary Law in the Punjab, by K. J. Rustumji (Students' Edition). |

* Where in the case of any Act no commentary is suggested, the candidates are expected to read some suitable commentary as suggested by the Lecturer in the subject.

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| <p><i>Paper IV</i> .. Law of Contract and Torts.</p> <p><i>Paper V</i> .. Indian Limitation Act (Sections only) and Civil Procedure Code (Sections only).</p> <p><i>Paper VI</i> .. Criminal Law (Indian Penal Code and Criminal Procedure Code).</p> | <ol style="list-style-type: none"> 1. Sir F. Pollock and D. • F. Mulla's Indian Contract Act (Sections 1 to 75), Lawyers' Edition. 2. Underhill's Law of Torts, edited by M. Krishnamachariar (Indian Edition). 3. University Selection of ten cases on the Law of Contract and Tort. 1. H. C. Mitra's Indian Limitation Act (<i>omitting</i> Schedule), edited by B. B. Mitra. 2. Punjab Limitation (Custom) Act, 1920. 3. Civil Procedure Code by Mulla (Students' Edition) (<i>omitting</i> Schedules). 1. Indian Penal Code by Ratan Lal and Dhiraj Lal. 2. The Criminal Procedure Code (as amended up to date) <i>omitting</i> Chapters 34, 38, 41, 42, 43, 46 and the Schedules. |
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*List of cases prescribed for the First Examination
in Law in Contract and Tort.*

Contract Act Ss. 1-75.

1. *Byrne versus Van Tienhoven* (1880) 5 C.P.D., page 344, M. E. Rowe's Cases on Contract, page 6.
2. *Mahomed Buksh Khan versus Husseini Bibi*, I.L.R. 15 Cal., page 684 (P.C.).

3. *Kanhaya Lal versus National Bank of India, Ltd.*, I.L.R. 40 Cal., page 598.

4. *Hadley versus Baxendale* (1854) 9 Ex. 341 = 96 R. R. 742, M. E. Rowe's Cases on Contract, page 199.

5. *Mohori Bibee versus Dharmodas Ghose*, I.L.R. 30 Cal., page 539 (P.C.).

Tort.

1. *Mayor of Bradford versus Pickles*, L.R. (1895) A.C. 587. Kenny on Tort, page 8.

2. *Sharp versus Powell*, L.R. 7 C.P. 253. Kenny on Tort, page 50.

3. *Abrath versus N.E. Railway Company*, L.R. 11 Q.B.D. page 79, 440. Kenny on Tort, page 512.

4. *Rylands versus Fletcher*, L.R. 3. H.L. 330. Kenny on Tort, page 600.

5. *Ashby versus White* 2 Lord Raymond 938; 1 Smith Leading Cases 240. Kenny on Tort, page 202.

The Examination for the Degree of Bachelor of Laws, 1934.

**List of Acts and Books recommended for perusal.*

(Only the latest editions of text-books and Acts incorporating amendments to date are prescribed.)

<i>Paper I</i>	Principles of Equity with special reference to Mortgages, Trusts, and Specific Relief.	1. Maxims of Equity. 2. The Indian Trust Act (II of 1882). 3. The Transfer of Property Act (IV of 1882) as amended by Act 20 of 1929, Ss. 58-104, by A. K. Ray, 1932. 4. Law of Specific Relief in India by Harnam Singh. 5. University Selection of Cases on Principles of Equity.
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* Where in the case of any Act no commentary is suggested, the candidates are expected to read some suitable commentary as suggested by the Lecturer in the subject.

- Paper II* .. Punjab Land Revenue, Tenancy, Alienation of Land and Pre-emption Acts.
1. The Punjab Land Revenue Act (*omitting Rules*).
 2. The Punjab Tenancy Act.
 3. The Punjab Pre-emption Act.
 4. The Punjab Alienation of Land Act by Sir Shadi Lal revised by K. J. Rustomji (Students' Edition).
- Paper III* .. The Indian Contract Act, the Negotiable Instruments Act, the Sale of Goods Act III of 1930 and the Indian Partnership Act No. 9 of 1932.
1. Sir F. Pollock and D. F. Mulla's Indian Contract Act (Ss. 76 to the end). Lawyers' Edition.
 2. The Negotiable Instruments Act.
 3. University Selection of Cases on the Law of Contract.
 4. The Sale of Goods Act III of 1930.
 5. The Indian Partnership Act No. 9 of 1932.
- Paper IV* .. The Civil Procedure Code (including the drafting of plaints, memorandum of Appeals, etc.). The Punjab Courts Act, and the Indian Limitation Act (Schedule only).
1. The Civil Procedure Code (Act V of 1908) by Sir D. F. Mulla (Students' Edition), Schedules I and II only.
 2. The Punjab Courts Act (VI of 1918) by Shamair Chand.
 3. Letters Patent of the High Court of Judicature at Lahore.
 4. H. C. Mitra's Limitation Act (Schedule only) edited by B. B. Mitra.
- Paper V* .. Law of Evidence and Legal Practitioners' Act.
1. The Law of Evidence by Rattanlal and Dhirajlal.

- Paper VI* .. Law relating to Minors, Registration, Court Fees, and Provincial Insolvency Acts.
2. The Legal Practitioners' Act.
 1. The Guardians and Wards Act (VIII of 1890).
 2. The Indian Majority Act (IX of 1875).
 3. The Indian Registration Act (XVI of 1908) as amended.
 4. The Court Fee Act (VII of 1870) as amended by the Court Fees (Punjab) Amendment Act VII of 1922 and Punjab Acts I and VI of 1926.
 5. The Suits Valuation Act (VII of 1887).
 6. The Provincial Insolvency Act.

List of cases on Principles of Equity and the Law of Contract prescribed for the LL.B. Examination.

Principles of Equity.

1. Noaks & Co., Limited *versus* Rice (1902) A.C. 24.
2. Ramcoomar Koondoo and others (Defendants) *versus* Macqueen and others (Plaintiffs), 1872 Law Reports Indian Appeals Suppl. Volume, page 40=11 B.L.R. 46=18 W.R. 166 (P.C.).
3. Gokuldas Gopaldas (Defendant) *versus* Rambux Seochand (Plff.) and Another (Respondents), Law Reports 11 I. Appeals 126=I.L.R. 10 Cal. 1035 (P.C.).
4. Paul *versus* Robson, Law Reports 41 I. Appeals 180=I.L.R. 42 Cal. 46 (P.C.).
5. Ardeshir Mama (Plaintiff) *versus* Flora Sassoon (Defendant), Law Reports 55 I. Appeals 360=I.L.R. 52 Bom. 597.

Law of Contract.

1. Keighley Maxsted & Co. *versus* Durant (carrying on business as Bryan Durant & Company) (1901) A.C. 240.
2. Bowes *versus* Shand (1877) 2 A.C. 455 : 46 L.J.Q.B. 561.
3. Rogers, Sons & Company *versus* Lambert & Co. (1891) I.Q.B. 318.

4. Kali Bakhsh Singh and others (Defendants) *versus* Ram Gopal Singh and others (Plaintiffs), Law Reports 41 I. Appeals 23, I.L.R. 36 All. 81 (P.C.).

5. Khan Gul and Another (Defendants) (Appellants) *versus* Lakha Singh and Another (Plaintiffs), I.L. Reports 9 Lahore 701 Full Bench.

Examination for Diploma in Conveyancing and Pleadings, 1934.

(Only the latest editions of text-books and Acts incorporating amendments to date are prescribed.)

Paper I.

- (a) Principles of Conveyancing.
- (b) Forms and Practice of Conveyancing.
- (c) Indian Stamp Act.

Paper II.

- (a) Interpretation of Deeds and Wills.
- (b) Pleadings.

Books recommended for study :—

Paper I.

- (1) Norton on Deeds, 2nd edition, 1928— Chapters I to XV only.
- (2) Chakravarti's Law of Pleadings and Conveyances, 1931—the portion concerning Conveyances only.
- (3) Panna Lal's Draft Deeds in Urdu.
- (4) Sir F. Mulla's Indian Stamp Act. (Candidates will be allowed the use of the bare Act in the Examination Hall.)

No book is prescribed on Principles of Drafting. The Lecturer in the subject is expected to guide the students with the help of the existing material. The syllabus comprises all the important kinds of forms such as sale, mortgage, gift, lease, rent-deeds, will, codicil, exchange, partnership, trust, wakf, partition, power of attorney, release, agency, arbitration, bond, agreement, promissory notes, acknowledgments, memoranda and articles of association, notices, etc.

Paper II.

- (1) Interpretation of Deeds, Wills and Statutes in British India by K. S. Bannerji (T.L.L.), excluding the part relating to Statutes.

- (2) Beal's Cardinal Rules of Legal Interpretation, *omitting* Parts I (Case Law), III (Contracts) and VII (Statutes).
- (3) Chakravarti's Law of Pleadings and Conveyances, 1931—the portion concerning Pleadings.
- (4) The Law of Pleadings in British India with Precedents by P. C. Mogha.

The LL.M. Examination.

List of Books recommended for perusal.

(Only the latest editions of text-books and Acts incorporating amendments to date are prescribed.)

GROUP I.

(A) Jurisprudence.

- (1) Sir T. E. Holland. The Elements of Jurisprudence, 13th edition, 1924.
- (2) The Nature and Sources of the Law by J. C. Gray, 2nd edition, 1924.
- (3) The Austinian Theory of Law by W. J. Brown (1926).
- (4) Salmond, Sir John. Jurisprudence, 8th edition, 1930.
- (5) An Introduction to the Philosophy of Law by Roscoe Pound, 1922.
- (6) Ancient Law by Sir Henry Sumner Maine, with introduction and notes by Sir Frederick Pollock, 1930 edition.

(B) Constitutional Law of England and India.

English Constitution.

- (1) Sir William Anson. The Law and Custom of the Constitution, Vol. I (Parliament), 5th edition, 1922, and Vol. II, 2 parts (Crown), 3rd edition, 1907-1908.
- (2) A. B. Keith. Responsible Government in the Dominions, 2nd edition, 1928, 2 volumes.
- (3) C. Grant Robertson. Select Statutes, Cases and Documents, 5th edition, 1928.

Indian Constitution.

- (1) The Government of India by A. Eggar (Laws of India Series, Vol. III), 1924.
- (2) The Government of India Act with Rules and Standing Orders.
- (3) Indian Constitutional Documents, P. Mukerjee.

(C) Public International Law.

- (1) T. J. Lawrence. Principles of International Law, 7th edition, 1923.
- (2) Oppenheim. International Law, 2 volumes.
Vol. I—Peace, 1928.
Vol. II—War and Neutrality, 1926.
- (3) Pitt. Cobbett. Leading Cases on International Law, 2 volumes, 1922.

(D) Conflict of Laws.

- (1) A. V. Dicey. The Conflict of Laws, 1927.
- (2) Leading Cases on Conflict of Law by W. N. Hibbert.

(E) Roman Law.

- (1) W. A. Hunter. A Systematic and Historical Exposition of Roman Law, 4th edition, 1903.
- (2) C. P. Sherman. Roman Law in the Modern World, Vols. I and II.

*Or,**Hindu Law.*

- (1) J. D. Mayne. A Treatise on Hindu Law and Usage, 9th edition, 1922.
- (2) Sarkar Shastri. Hindu Law, 6th edition, 1927.
- (3) Colebrook's Mitakshara.

*Or,**Mohammedan Law.*

- (1) Sir Sayed Amir Ali. Mohammedan Law, Vol. I, 4th edition, 1912, and Vol. II, 5th edition, 1929.
- (2) Sir R. K. Wilson. Digest of Anglo-Mohammedan Law, 6th edition, 1930.
- (3) Sir Abdur Rahim. The Principles of Mohammedan Jurisprudence (T.L.L.).

GROUP II.

(A) Land Tenures in British India and Easements and Profits.

- (1) B. H. Baden Powell. Land Systems of British India, 3 volumes.
- (2) Punjab Settlement Manual by Sir James M. Douie, 4th edition, 1930.
- (3) F. Peacock. The Law relating to Easements in British India (T.L.L.), 3rd edition, 1922.

(B) *Transfer Inter-Vivos, and Wills and Succession.*

- (1) Transfer of Property Act, 1882, as amended to date.
- (2) Ghosh on Mortgage.
- (3) Indian Succession Act.
- (4) Theobald on the Law of Wills, 8th edition, 1927.

(C) *Equity with special reference to Specific Performance, Injunctions and Trusts.*

- (1) Lewin. Practical Treatise on the Law of Trusts. Ed. by W. Banks, 13th edition, 1928.
- (2) Fry. Treatise on the Specific Performance of Contracts, 6th edition, 1921.
- (3) The Indian Trusts Act (Act II of 1882).
- (4) J. G. Woodroffe. The Law relating to Injunctions in British India, 5th edition, 1929 (T.L.L.).

(D) *Hindu Law.*

- (1) J. D. Mayne. A Treatise on Hindu Law and Usage, 9th edition, 1922.
- (2) Sarkar Shastri. Hindu Law, 6th edition, 1927.
- (3) Colebrook's Mitakshara.

(E) *Mohammedan Law.*

- (1) Sir Sayed Amir Ali. Mohammedan Law, Vol. I, 4th edition, 1912, and Vol. II, 5th edition, 1929.
- (2) Sir R. K. Wilson. Digest of Anglo-Mohammedan Law, 6th edition, 1930.
- (3) Sir Abdur Rahim. Principles of Mohammedan Law (T.L.L.).

GROUP III.

(A) *Law of Contract.*

- (1) Leake on Contract, 1931.
- (2) Sir F. Pollock and D. F. Mulla. Indian Contract Act (Lawyers' Edition), 1931.
- (3) M. E. Rowe. Cases on Contract, 1927.

(B) *Law of Tort.*

- (1) Sir J. Salmond. Law of Tort, 7th edition, 1928.
- (2) J. F. Clerk and W. H. B. Lindsell. Law of Tort, 8th edition, 1929.
- (3) C. S. Kenny. Cases on the Law of Tort, 5th edition, 1928.

(C) *Partnership and Sale of Goods.*

- (1) J. P. Singhal. Law of Partnership in British India, 1928, 2nd edition.

- (2) Lord Lindley. *A Treatise on the Law of Partnership*, 9th edition, 1924.
- (3) The Indian Sale of Goods Act, 1931.
- (4) Aitken. *Sale of Goods*.

(D) *Negotiable Instruments, Banking, Insurance and Trade Marks.*

- (1) Byles on Bills.
- (2) Porter. *Laws of Insurance, omitting Marine Insurance*, 7th edition, 1925.
- (3) M. L. Tannan. *Banking Law and Practice in India*, 1927.
- (4) Sir D. M. Kerly. *The Law of Trade Marks and Trade Names*, 6th edition, 1927.

(E) *Company Law and Bankruptcy.*

- (1) K. J. Rustomji. *Indian Companies Act*, 1926.
- (2) Buckley. *English Companies Act*, 1929.
- (3) Sir D. F. Mulla. *Law of Insolvency in British India*, 1930 (T.L.L.).

GROUP IV.

(A) *Law of Crime.*

- (1) Russel. *Treatise on Crimes and Misdemeanors*, 8th edition, 2 volumes, 1923.

(B) *Law of Crime.*

- (1) The Penal Law of India by Sir H. S. Gour, 4th edition, 2 volumes, 1928.
- (2) Shams-ul-Huda. *Principles of the Law of Crimes in British India* (T.L.L.), 1902.

(C) *Law of Evidence.*

- (1) Woodroffe and Amir Ali. *Law of Evidence*, 9th edition, 1931.
- (2) Taylor. *Law of Evidence*, 12th edition, 2 volumes, 1931.

(D) *Jurisprudence and Theory of Legislation.*

- (1) Bentham's *Theory of Legislation* by C. M. Atkinson, 2 volumes, 1914.
- (2) *Underlying Principles of Modern Legislation* by W. J. Brown, 1917.
- (3) Sir T. E. Holland. *Elements of Jurisprudence*, 13th edition, 1924.
- (4) *The Nature and Sources of the Law* by J. G. Gray.
- (5) *The Austinian Theory of Law* by W. J. Brown.
- (6) *Holme's Common Law*.

(E) *Hindu Law.*

- (1) J. D. Mookerjee. A Treatise in Hindu Law and Usage, 9th edition, 1922.
- (2) Sarkar Shastri. Hindu Law, 3rd edition, 1929.
- (3) Colebrook's Mitakshara.

Or,

Mohammedan Law.

- (1) Sir Sayed Amir Ali. Mohammedan Law, Vol. I, 4th edition, 1912, and Vol. II, 5th edition, 1929.
- (2) Sir R. K. Wilson. Digest of Anglo-Mohammedan Law, 6th edition, 1930.
- (3) Sir Abdur Rahim. The Principles of Mohammedan Jurisprudence.

Bachelor of Commerce Examination.

Syllabuses and Recommended Books for 1934 and 1935.

COMMERCIAL LAW.

The general provisions of law relating to Insurance—Fire, Life and Marine—Mortgages, Bills of Lading and Charter parties, Trade Marks, Patents, Commercial Arbitration may be studied.

Contracts :—Formation, Capacity of parties, Assignment, Breach, Performance and discharge, Effects of mistakes, misrepresentation and fraud. Coercion, Sale of goods, Bailment Agency. Surety. Guarantee. Partnership, Loan and Hire and Goods.

Company Law, i.e., Formation and Management and Administration of Companies.

Negotiable Instruments and Hundis.

Books recommended :—

Stevens—Mercantile Law.

Pollock and Mulla—Contract Act, Students' Edition.

Indian Companies Act, Sections 1-154.

The Negotiable Instruments Act.

ACCOUNTANCY.

Fixed Paper.

More advanced treatment of general principles following the syllabus given below :—

Keeping the subsidiary books, posting into the ledger, preparing Trading and Profit and Loss Accounts and Balance Sheets of General Merchants, Partnerships, and Joint Stock Companies. Bad Debts, Depreciation and Reserves.

Special stress should be laid upon :—

Partnership Accounts, including treatment of goodwill.

Income and Expenditure Accounts, Columnar Book-keeping.

Departmental Accounts. Branch Accounts including Foreign Branch Accounts. Sinking Funds.

Recommended Books :—

Fieldhouse : Students' Complete Commercial Book-keeping.

Cropper : Book-keeping and Accounts.

Carter : Advanced Accounts.

Spicer and Pegler : Book-keeping and Accounts.

Cutforth : Foreign Currencies.

Two Elective Papers.

(a) Accounts of particular businesses such as Banks, Insurance Companies, Factories, Mining Companies, Railways, Hotels, Charitable Institutions and other non-trading concerns. Cost Accounts, Bankruptcy and Liquidation Accounts, Executorship Accounts, Double Account System.

(b) *Auditing.*—

The continuous and the completed audit, the Detection of Fraud, Technical Errors and Errors of Principle, First and Subsequent Audit, Verifying Cash, Securities, Stock Sheets, Wages Sheets, Special considerations in different classes of audit, Valuation of Fixed and Floating Assets. Forms of Accounts and Balance Sheets.

Capital and Revenue items, the Auditor's Certificate, the Liabilities of Auditors, the conduct of investigations and certifying of average profits.

Recommended Books :—

Additional for the elective papers :—

Dicksee : Advanced Accounting.

Lunt : Manual of Cost Accounts.

Gropper : Accounting.

Ranking, Spicer and Pegler : Executorship Law and Accounts.

Dicksee : Auditing.

Pixley : Auditors, their duties and responsibilities.

ORGANISATION OF INDUSTRY AND COMMERCE.

1. Capital.—With reference to the formation of Industrial and Commercial Undertakings, Relationship of First Cost to Turnover, Profits and Demands.

2. Production.—Location, Design, Construction, Organisation and Operation of Industrial works—Scale and Scope of Manufactures—Plant—Storage—Management—Staff—Handling of Labour, General Office Organisation—Examples.

3. Distribution.—Buying and Selling, including Wholesale and Retail Sales—Salesmanship—Advertising—Publicity Work—Warehousing—Relations with Manufacturers—General Organisation.

4. General.—Insurance—Fire—Marine—Accident, etc. Industrial Combinations—Welfare Work.

5. Problems arising from the Employment of Labour.—Relations between Employers and Employees regarding Engagement, Dismissal, Rate-cutting, etc. Temperament. Trade Unions. Systems of Remuneration. Co-operation, Co-operative Societies Acts. Provident Fund Act.

6. Visits to such industrial works and markets as can readily be reached.

Recommended Books :—

Stephenson : Principles and Practice of Commerce.

Dicksee and Blain : Office Organisation and Management.

Elbourne : Factory Administration and Accountancy.

Russell : Commercial Advertising.

Silverman : Economics of Social Problems.

Proud : Welfare Work.

Taussig : Principles of Economics, Vol. II, Chapters 45 to 67 inclusive.

Marshall (L. C.) : Industrial Society.

Lee : Industrial Production.

H. W. Houghton, A.C.I.S. : Salesmanship and Advertising.
Report of the Royal Commission on Labour in India.

CURRENCY AND BANKING.

Fixed Paper.

Money and Currency.—The functions and economic significance of money. Various forms of money. Quantity theory of

money. Currency appreciation and depreciation, causes, effects and remedies. Battle of monetary standards. Currency and Banking principles, Methods of regulating note-issue in different countries. Various proposals for international currency. The post-war currency problem in different countries. Foreign Exchanges.

Indian Currency system.— Historical development and present currency problems. The War and Gold Exchange Standard in India.

Banking.—The nature of banking and the functions of the Banker. Simple banking operations and Clearing House System. How to read the Balance Sheet of a Bank. Banking and Money Market. The Reserve and the Discount rate. Causes of fluctuations in the Bank rate. Credit and its developments. The origin and management of Commercial Crisis. Central Banks. State control of banking.

Recommended Books : -

1. Relevant portions of the following books :—

Marshall : Economics of Industry.

Edie : Economics, Principles and Problems.

Or,

Clay : Economics for the General Reader.

Chapman : Outlines of Political Economy.

The following may be consulted in addition for selected topics :—

Moreland : Introduction to Economics for Indian Students.

Taussig : Principles of Economics.

2. Cannan : Money in relation to Rising and Falling Prices.

Withers : Meaning of Money.

Goschen : Foreign Exchanges.

Clare : A. B. C. of the Foreign Exchanges.

Gregory : Foreign Exchanges, before, during and after the War.

Keynes : Indian Currency and Finance.

Findlay Shirras : Indian Finance and Banking.

Report of the Punjab Banking Enquiry Committee.

Two Elective Papers.

Paper I.—Advanced Banking and Currency.

Historical and Comparative Study of Banking with special reference to England, U.S.A., Germany and France.

Indian Banking System.—Exchange Banks, Joint-Stock Banks, The Imperial Bank of India. Problems of Indian Banking, Structure of Indian Money Markets. Co-operative Banks and Credit Associations.

Stock Exchanges.—Relations with Money Market. Working of Stock Exchanges, London, Bombay and Calcutta. Arbitrage, Bulls and Bears. Options, Straddling, Settlement. Economic effects of Speculation.

Banking Practice.—Opening and conducting of Bank accounts. Cheques, Forms, Endorsements, Crossing of Cheques, Negotiability, Forgery and Alterations. Bankers' marks on cheques. Termination of bankers' authority to pay cheques.

Bills of Exchange.—Forms and endorsements, Acceptance for Honour, Case of need, Noting, Protest, Discharge of a bill. Discounting of bills.

Bankers' Credits.—Travellers' Letters of Credit, Circular notes. Confirmed and Unconfirmed Bankers' Credits. London Acceptance Credit. Documentary Credit. Bankers' Advances against marketable securities, goods and produce, real property, ships, guarantees, debts, Debentures of Companies. Unsecured advances.

Banking Investments.—Deposits of valuables with the Banks. Banks and Customers. Bank Organisation, Management and Accounts.

Recommended Books :-

- Conant—History of Modern Banks of Issue.
- Dunbar—Theory and Practice of Banking.
- Tamman—Banking Law and Practice in India.
- Wolf—People's Banks.
- Withers—Stock and Shares.
- Minty—English Banking Methods.
- Minty—American Banking Methods.
- S. Evelyn Thomas—Banker and Customer.
- Andreades—History of the Bank of England.
- Report of the Indian Central Banking Enquiry Committee.

Paper II. —Public Finance.

Scope and relation to other Sciences.

Distinction between State and individual finances.

Taxation.—Its nature, Canons of Taxation. Classification of Taxes. General features of Taxation. Forms of Taxation. Single Tax system. Sources of Revenue with special reference to India. Chief Items. Taxes on land. Land Revenue. Forest. Opium and Salt Revenue. Taxes on persons, property and income. Taxes on inheritance and succession. Taxes on Capital, Taxes on Consumption, Taxes on Communications,

Railways, Irrigation, Post and Telegraph, Customs, Excise. Expenditure with special reference to India. Heads of Expenditure. Chief Items. Defence Law and Justice. Administration. Industry and Trade. Public Works. Labour Relief. Education, Police, Famine Relief. Growth of Expenditure in recent times.

Provincial Finance.—Early history and present position.

Income and shifting of taxes.

Public Credits and Public Debts. Productive and unproductive debts. Redemption and conversion of debts. Sinking Funds.

Financial Administration.—Budget. Control over Budget. Ways and Means. Votable and non-votable items, powers of certificate. Audit and appropriation.

Recommended Books : -

Dalton—Public Finance.

Bastable—Public Finance.

Findlay Shirras—Public Finance.

Wattal—Financial Administration in India.

Gyanchand—Indian Public Finance.

MODERN ECONOMIC DEVELOPMENT.

I.—INDIA, WITH SPECIAL REFERENCE TO THE PUNJAB.

(a) *Home and Foreign Trade of India.*

1. Brief History of the Development of India's Trade with the World from 1600. The present position. The chief imports, their countries of origin. The importance of the Indian Markets to those countries. Relation of the Home production to the total consumption of those commodities.

2. Functions of the middleman in the trade of the country. The financing of the internal and external trade. The relation of tariff and trade. Public institutions. Consular Service. Chambers of Commerce.

3. The chief exports and their destinations. Importance of India as a supplier of the various commodities in those markets.

4. The trans-frontier trade (Persia, Afghanistan and Tibet).

5. Importance and Nature of the Internal Trade—inter-provincial and coastal.

(b) *Economic Conditions and Developments in the Punjab.*

The aim of this part of the paper is to see that the student can apply the knowledge he has acquired in his course to conditions in the Punjab.

It should be prepared by a geographical and economic survey of the Province as a whole, *e.g.*, physical features, climate, water, soil, etc., natural regions—and the effect of those on economic activities. The course should embrace a bird's-eye view of the existing position, the devices and prospective developments in the Province in such fields as the following :—

Agriculture, Industry, Trade, Transport (Road and Railway), Irrigation, Co-operation, Banking, Hydro-electric Schemes and Finances.

Recommended Books :—

Douie—Punjab, N.-W.F.P. and Kashmir.

Darling—The Punjab Peasant in Prosperity and Debt.

Latifi—The Industrial Punjab with Supplement by Badenoch.

The Land of the Five Rivers (last Decennial Report, Punjab Government).

Knowles—Economic Development of the Overseas Empire (pages 259 to 466, both inclusive).

Relevant Government Reports.

Brij Narain—Indian Economic Life.

Abridged Report of the Royal Commission on Agriculture (1928).

II. —GREAT BRITAIN AND JAPAN.

GREAT BRITAIN.—Since 1750.

A general outline of the Economic History of England in the period preceding the Industrial Revolution. This part of the syllabus shall not carry more than eighteen marks.

(a) The eve of the change—population, agriculture, industry, transport, trade, finance, etc. Prevailing economic thought—Mercantilism.

(b) During the change (1760–1820)—growth of population, inventors and captains of industry, roads and canals, the enclosure movement in agriculture, the growth of trade, etc. Prevailing economic thought—Adam Smith and Malthus.

(c) The new problems to which the change gave rise and their treatment—trade unions, factory legislation, poor relief, free trade, the credit economy, colonial policy, etc. Prevailing economic thought—the growth of the philanthropic spirit.

Recommended Books :—

Ashley—Economic Organisation of England.

Knowles—Industrial and Commercial Revolutions of the Nineteenth Century.

Rees—Social and Economic History of England, 1815–1914.
 Waters—Economic History of England.
 Hammonds—Rise of Modern Industry.

JAPAN.

A general outline of the economic development of Japan, since 1850. Downfall of Feudalism. Beginning of the Industrial Movement. The change from Domestic to Factory Organisation. Development of the Silk and Cotton Industries. Japan's Power Problem. Mining and Shipbuilding Industries. Growth of Foreign Trade. State aid to Industry.

Recommended Books : —

Uyehara—Industry and Trade of Japan.
 Overseas Trade Reports—Industry and Trade of Japan.
 League of Nations (Economic Section) Report on Japan.
 Allen—Modern Japan and its Problems Chapters V to VIII.
 Porter—The Rise of a Modern Power—pages 214–325.
 The Foreign Trade of Japan } Bureau of Commerce, Govern-
 (Latest Edition). } ment of Japan. (Published
 The Industry of Japan (1929 } by Maruzen Co., Ltd.)
 Edition).

ECONOMICS OF INLAND TRANSPORT AND TRAFFIC FINANCE

ELECTIVE SUBJECT—TWO PAPERS.

PAPER I.

Modern transport facilities and their effects on social and economic organisation : —

Road.

History and economics of road construction and maintenance.

Ownership and control of roads. Methods of raising revenue to meet the expenditure incurred—Competition and co-ordination with Railway transport.

Water.

History and economics of construction and maintenance of canals. Canalised rivers—Ownership and control of waterways. Methods of raising revenue—Competition and co-ordination with other forms of transport.

Air.

Modern developments of air transport—its commercial possibilities and its effects on other forms of transport.

PAPER II.

Railways.

1. History and economics of Railway construction and maintenance.

2. Analysis of capital and revenue expenditure—its chief characteristics—analogy with other industries—effects on price determination—passenger traffic—passenger fares—freight rates in theory and practice, classification of goods, special rates and discrimination—competition and combination—ownership and management—control of rates—effects of Railway rates on industries Analysis of financial and statistical statements with special reference to India—Relations to other forms of transport. Indian Carriers Act No. III of 1865 and Chapters V, VI and VII, *i.e.*, Sections 26 to 82 of the Indian Railways Act.

Recommended Books :—

Weld—Railway Development in India.

Acworth—Elements of Railway Economics.

Kirkcaldy and Evans—History and Economics of Transport.

Knoop—Outlines of Railway Economics.

Hadley—Railroad Transportation.

Travis—Railway Rates and Traffic.

Stephenson—Communications.

Fenelon—Economics of Road Transport.

Indian Railway Administration Report.

Ghosh—Railway Rates and Freights.

H. M. Jagtiani—Role of the State in the Provision of Railways.

ENGLISH.

Two Papers.

<i>Paper I.</i> —Three hours :	<i>Marks.</i>		
Essay : the candidate shall be required to give a synopsis of the Essay separately	50*
Précis	30
Correspondence	20

			100

The questions relating to correspondence may require a candidate to draft a reply on the subject or subjects dealt with in a file of at least six printed letters.

* The synopsis will carry 10 marks.

<i>Paper II.</i> —Two and a half hours :			<i>Marks.</i>
An unseen passage of fair length. The candidates will be required to rewrite the leading ideas of the passage in their own words			60
Drafting .. ..	..	..	20
Viva Voce—Time as required .. ..	..	..	20
			<hr/> 100 <hr/>

Books recommended :—

Stevenson ..	..	Principles and Practice of Commercial Correspondence.
Pitman ..	..	Commercial Correspondence and Commercial English.
Bolger ..	..	Business letters for Dictation.
Hammond ..	..	Prose Composition Exercises.
Robeson ..	..	Progressive Course of Précis-writing.
Thomas and Pink ..	..	English Grammar and Commercial Correspondence.

FACULTY OF AGRICULTURE.

Syllabuses of Subjects for the First Examination in Agriculture.

I.—AGRICULTURE.

For 1934 and 1935.

I. *Introductory.*—Origin of agriculture, its history, scope and objects. Relationship to other industries and sciences.

II. *Meteorology.*—Relation of geographical position (including altitude) to rainfall and temperature. The seasons, their character and causes. The effects of dew, frost and hail.

General description of agriculture of the Province as related to climate and geography.

III. *Elementary Agricultural Geology* with special reference to the geology of the Punjab.

(a) Earth's crust, its present condition and composition.

(b) Rocks, their formation and classification.

(c) Weathering ; soil formation ; geological classification of soils in relation to agricultural characteristics.

IV. *Soils*.—Classification.

General physical properties, mechanical analysis, and constituents of soils as correlated with agricultural properties, structure of soil, texture, effects on fertility.

V. *Water in soils*.

- (a) Amount held and how held.
- (b) Movements ; effect of treatment on these. How affected by agricultural operations.
- (c) Losses of moisture from soils and their prevention.

VI. (a) Irrigation, sources of irrigation water ; methods of raising water ; application of water to land ; advantages of different systems of irrigation ; canal system ; water requirements of crops ; when to irrigate ; management of irrigated lands ; water-logging ; salt lands.

(b) Drainage.

(c) Principles of dry farming and practice in the Punjab.

VII. *Soil management*.

- (1) Tilth and condition of soils as affecting supply of plant food ; influence of irrigation ; aeration ; leaching ; etc. etc.
- (2) Tillage and tillage implements.
 - (a) Preparatory.
 - (b) Seed-bed operations.
 - (c) After-tillage, harrowing and interculture.

VIII. Plant food ; fertility ; availability ; effects of agricultural operations on these.

IX. *Manures*.

Necessity for manuring and objects ; classification of manures ; approximate composition ; sources ; natural and artificial manures ; action, direct and indirect ; methods of application ; system of manuring ; comparative value and cost of manures in India ; unit value ; farm yard manure ; supply, conservation ; nitrification and decay.

X. Choice of crops and varieties as determined by climate, soil, seasons, special requirements and market.

- XI. (a) Grain crops.
- (b) Pulses.
- (c) Fibre crops.
- (d) Fodder crops.
- (e) Crops grown for other purposes.

XII. Garden crops and vegetables of the Punjab ; soil, season, rainfall requirements, manure requirements and methods of application ; tillage, selection of seed, seed rate and methods of

planting, care after planting, harvesting and special preparation, outturn, cost of cultivation and profit ; effect on soil.

XIII. Rotations.

XIV. Agricultural Statistics of India, and especially of the Punjab. Division of land into arable, pasture, forest and waste.

Practical.

I. Each student will cultivate an area not less than one-tenth of an acre and grow kharif and rabi crops. Work on plots will be done entirely by the students themselves or where this is impossible, under their direct supervision.

II. Preparation of vegetable beds and growing of vegetables, with conduct of simple tests.

III. Recognition of different manures ; their approximate composition.

IV. Practical use and adjustment of all the farm tillage implements including the adjustment of ropes to indigenous implements ; suitability for different tracts.

V. Carrying out of all the usual farm operations, *e.g.*, ploughing, harrowing, sowing, transplanting and harvesting.

VI. Use of appliances for raising water.

VII. Recognition of crops of the province and their principal classes.

VIII. Ability to recognise good seed and to select plants suitable for seed production ; steeping of seed.

IX. Appraisalment of yield and quality of crops ; different methods employed.

X. Tours in various parts of the Province to study local agriculture.

NOTE.—The whole of the practical work done by the students during the year will be recorded in the note-books which must be attested by the Professor of Agriculture. Candidates will be examined practically on the work recorded in their books.

Books :—

The following are recommended for all students :—

Soil Management—King. (Orange Judd Company.)

Principles of Agriculture—L. H. Bailey. (Macmillan.)

Principles of Irrigation Practice—J. A. Widstoe. (Macmillan.)

Text-book of Punjab Agriculture—Roberts and Faulkner. (Civil and Military Gazette Press.) Price Rs. 10.

Soils, their Properties and Management—Lyon, Fippin and Bucknan.

Manures and Manuring—A. D. Hall.

Dry Farming—Widstoe.

Agricultural Geology of India, 1929—D. L. Sahasrabudhe.
(Aryabhashna Press, Poona.)

Indian Vegetables—Gollan.

II.—PHYSICS AND CHEMISTRY.

For 1934.

(a) *Chemistry.*

Elementary treatment of the following :—

Distinction between Chemical and Physical Change ; conditions affecting Chemical Change ; Solution, Crystallisation, Filtration, and other operations employed in Chemistry ; Elements and Compounds, Symbols, Formulæ and Equations ; Modes of Chemical Action ; Chemical Nomenclature. Laws of Chemical Combination ; Atomic Theory ; Chemical Equivalents ; Atomic and Molecular weights, Valency, Avogadro's and Gay Lussac's Laws ; Chemical Calculations ; Volumes and weights of gases formed at specified pressures and temperatures ; Problems relating to Gaseous Combinations ; Percentage Compositions and Calculations of Formulæ ; Ionic Theory and its simple applications. Mass Action.

Non-Technical study of the following Elements and Compounds, their condition in Nature, Laboratory Methods of Preparation and chief Properties : Oxygen, Hydrogen, Water, Carbon, its Oxides, Marsh Gas, Ethylene, Acetylene, Coal Gas, Saturation and Unsaturation, Nitrogen, its Oxides, Nitric Acid and Nitrates and Nitrous Acids and Nitrites, Ammonia, Chlorine, Hydrogen Chloride, Bleaching Powder, Hypochlorites, Bromine, Hydrobromic Acid, Iodine and Hydriodic Acid, Fluorine and Hydrofluoric Acid ; Sulphur, Sulphur Dioxide, Sulphur Trioxide, Hydrogen Sulphide, and the Sulphides, Sulphurous and Sulphuric Acids (excluding its commercial preparation), their Salts, Carbon Disulphide, Phosphorus, Phosphorous and Phosphoric Acids, Arsenious Oxide, Arsenic Oxide, Arsenic Acid, tests for Arsenic, Boric Acid and Borates ; Silica and Silicates ; the nature of Combustion, the structure of the Bunsen, Batswing, Blow Pipe and Candle Flames, Oxidation and Reduction ; the Laboratory Preparation, Properties and Applications ; the more important Compounds of the following Elements :—

Sodium, Potassium, Ammonium, Calcium, Magnesium, Zinc, Mercury, Aluminium, Copper, Silver, Iron, Tin, Lead, Antimony, Chromium, Manganese, Barium, Cobalt.

Practical Chemistry.

The practical examination will be based on Dr. Dunncliff's *Practical Chemistry for Intermediate Classes* (Macmillan), Parts 1 and 2. Demonstrations 51, 55 and 60 are excluded. Analysis of salts will be confined to Acids and Bases included in the syllabus.

Book recommended :—

Elementary Chemistry by Holmyard. Price Rs. 4-7-0.

(b) Physics.

1. *Mechanics : Theoretical.*—Physical properties and states of matter ; distinctive characters of solids, liquids and gases.

Measurements of mass ; weight and density.

Motion ; inertia ; force ; Newton's laws of motion ; measurement of work and energy.

Composition and Resolution of forces ; parallelogram of forces.

Parallel forces ; determination of centre of gravity of a body.

Machines : the lever, the pulley, the inclined plane.

Transmission of Liquid Pressure ; Bramah Press. Archimedes' Principle, Laws of Liquid Pressure, Relative densities, surface tension, viscosity.

Practical.—Length Measurement ; use of scale and vernier caliper.

Measurement of mass ; use of ordinary and spring balance.

Measurement of volume ; determination of volumes by weighing ; testing the accuracy of a burette.

Determination of density by hydrostatic balance of a liquid and a solid (a) heavier than water, (b) lighter than water.

Determination of density by specific gravity bottle of (a) powder, (b) any liquid.

Verification of the Principle of Parallelogram of forces.

Determination of the resultant of parallel forces, lever.

Determination of the value of g with the Simple Pendulum. Comparison of rates of percolation and of capillary rise of water in soils of different types.

2. *Heat : Theoretical.*—Definition of temperature ; effects of heat ; construction and use of instruments for measuring temperature ; expansion of solids, liquids and gases ; specific heat and calorimetry ; change of state ; determination of the latent heat of water and steam ; vapour pressure and hygrometry ; formation of cloud, fog and dew ; transmission of heat, conduction, convection, radiation and laws of radiation ; mechanical equivalent of heat, elementary principles of steam-engine and internal combustion engine.

Practical.—Testing of the fixed points of a mercury thermometer ; the Reading of the Barometer.

Determination of the specific heat of a solid and a liquid (method of mixture).

Determination of the latent heat of water.

Determination of maximum and minimum temperature and of humidity of the atmosphere by wet and dry bulb thermometer.

Use of rain-gauge.

Determination of soil temperature. Melting point of a fat, comparison of the rates of cooling of different liquids and of radiation from different surfaces.

3. *Light : Theoretical.*—Laws of propagation of light ; photometry ; laws of reflection ; reflection at plane and spherical mirrors and the formation of images ; laws of refraction ; refraction at plane surfaces by Prisms and Lenses ; combination of lenses to form a telescope, a microscope, an optical lantern, and a photographic camera ; the eye and its defects ; dispersion and colour, production of a pure spectrum.

Practical.—

Verification of the laws of reflection and refraction of light ; measurement of the focal length of a concave mirror and of a convex lens ; tracing the path of a ray of light through a plate and a prism.

Combination of lenses to form a telescope or a microscope. Rumford photometer.

4. *Magnetism and Electricity : Theoretical.*—Properties of magnets ; simple phenomena of magnetism and of magnetic induction ; the magnetic field ; lines of force ; the earth as a magnet ; condition of equilibrium of a freely suspended magnet under the influence of two magnetic fields at right angles to each other ; the simple phenomena of electrified bodies ; conduction and insulation ; electrification by friction and by induction ; quantity of electricity ; the two kinds of electricity produced or destroyed in equal amounts ; distribution of electrification on conductors ; electric field ; strength of field ; the inverse square law of electric force ; potential, capacity ; identification of electric discharge with electric current ; various cells ; accumulators ; magnetic field of current ; galvanometers ; electromotive force ; difference of potential ; resistance, Ohm's law ; the Volt, Ohm and Ampere ; heating and chemical effects of currents ; action on current circuits in a magnetic field ; electro-magnetic induction ; Faraday's law ; Lenz's law ; induction coil ; telegraphy ; electric bell ; telephony ; Hertz waves, their production and detection ; relation between the phenomena of heat, light, magnetism and electricity. Principles of dynamo and electric motor.

Practical.—

Tracing of lines of force in a magnetic field.

Comparison of two magnetic fields at right angles by a magnetometer.

Principle and use of slide wire bridge for comparison of resistances, comparison of electromotive forces by potentiometer.

The use of the Tangent galvanometer. Installation of an electric Bell Circuit. Setting up a practical Telephone Circuit. Charging of an accumulator.

Book recommended :—

A Class Book of Physics by Gregory and Hawley (Indian edition), Macmillan and Co.

For 1935.

Under (b) *Physics, Mechanics : Practical*—

For Length measurement *substitute* "Measurements of lengths and areas". *After* "caliper" *add* "practical use of opisometer and planimeter".

The rest as for 1934.

III.—BOTANY AND ANATOMY AND PHYSIOLOGY OF DOMESTIC ANIMALS.

For 1934.

(a) BOTANY.

External Morphology of the typical Angiosperms, macroscopic structure, functions and modifications of roots, stems and leaves.

Inflorescences and flowers : chief types, structure and uses.

Seeds and fruits :—

Structure, food-stores of economic value, distribution. Development of a seedling.

Plant cells, tissues and tissue systems.

The development and microscopic structure of roots, stems and leaves of Angiosperms.

Classification of Angiosperms and study of the characters of the following families :—

Ranunculaceæ, Papaveraceæ, Cruciferae, Caryophyllaceæ, Malvaceæ, Rutaceæ, Leguminosæ, Rosaceæ, Cucurbitaceæ, Umbelliferae, Compositæ, Solanaceæ, Linaceæ, Labiateæ, Liliaceæ, Palmeæ and Gramineæ.

Plants representing these natural orders to be taken as far as possible from field and garden crops and weeds.

Books recommended :—

1. Agricultural Botany—J. Percival (Duckworth).
2. Botany with Agricultural Application—John N. Martin (John Wiley and Sons, New York). Price 18s.
3. A Manual of Botany—Green—Vol. I.
4. Practical Introduction to the Study of Botany—Farmer and Chaudhri (Longmans, Green and Co.).

(b) ANATOMY AND PHYSIOLOGY OF DOMESTIC ANIMALS.

Anatomy.

Characteristics of living matter, general account of animal cell and types of tissues.

The structure of the rabbit as a type of the Mammalia.

General external and internal anatomy of the horse, ox, sheep, with special stress on the digestive and reproductive systems.

A general account of the Ungulata.

General external and internal anatomy of the fowl, pigeon, crow or parrot.

Elementary embryology of the chick, and a general account of the embryology of mammals, with special reference to placentation, parturition, etc. etc.

Physiology.

Food and physiology of nutrition; blood, its composition, circulation and functions; physiology of respiration, excretion, internal secretions, reproduction and lactation, skin and heat regulation. Physiology of nervous system and sense organs (mere outlines). Immunity.

Practical.

Examination and dissection of the rabbit. Examination of all the various systems of sheep or ox.

Skeleton of ox, horse and sheep. Examination of the different systems of the pigeon, crow or parrot. Examination of the different stages in the development of fowl.

Simple experiments in Physiology, digestion, respiration, fatigue, etc.

Book recommended :—

Wood and Marshal—Physiology of Farm Animals.

For 1935.

Under (a) *Botany*, second line above “ Books recommended ”, for “ natural orders ” substitute “ families ”.

Under books recommended *delete* item 3—A Manual of Botany—Green—Vol. I.

Under (b) *Anatomy*—For “A general account of the Ungulata” substitute “A general account of the Mammalia”. After “parrot” add “A general account of the Ayes”.

Under *Physiology Practical*—At the end of paragraph beginning with “Skeleton of ox” add “Types of placenta”.

The rest as for 1934.

IV.—MATHEMATICS AND LAND SURVEYING.

For 1934.

(a) *Mathematics*.—

I. *Elementary Mensuration* of Plane and Solid Figures.

1. Areas of rectangles, triangles, parallelograms, quadrilaterals, regular polygons and irregular rectilinear figures.
2. Circles—their circumference, inscribed and circumscribed to triangles.
3. Surface areas and volumes of—
 - (i) Rectangular Solids.
 - (ii) Right cones.
 - (iii) Sphere and spheroids.

II. *Trigonometry*.—Sexagesimal and circular units of angular measurement; trigonometrical ratios and the relations connecting them; addition and subtraction formulæ; logarithms; solution of triangles and simple cases of heights and distances; radii of the inscribed, escribed and circumscribed circles of a triangle.

III. *Graphs*.—Plotting of points; linear graphs; function; independent and dependent variables; graphic representation of algebraic and circular functions; graphical solution of linear equations; reading off of values from graph; interpolation; graphs of statistics.

IV. *Algebra*.—Quadratic equations involving one variable; the Progressions; the formulæ “ C_r ” and “ P_r ”, with their simple applications; binomial theorem with positive integral index; statement and application of the binomial theorem for negative and fractional indices.

(b) *Land Surveying*.—

Units of measurement, the chain, arrows, laths and whites, tape, poles, ranging straight lines, chaining, offsets, triangulation, checking triangles, setting out right angles with tape and with cross staff; field book, calculation of areas, conventional signs for various types of boundaries, trees, buildings, roads, railways, etc. Magnetic compass, plotting survey, drawing paper, tee and set squares, scales.

For 1935.

At the end of paragraph IV under (a) *Mathematics*, add
 “Proportions and variations”.

The rest as for 1934.

V.—ENGLISH.

The following books are prescribed :—

For 1934.

- (1) Tales of Travel and Exploration by Richard Wilson (J. M. Dent and Son).
- (2) St. Ives by Stevenson (The Wayfarer's Library—Dent). Price 1s. 6d.
- (3) Selected English Short Stories by Miss Wedgewood Heath (Uttar Chand Kapur and Sons). Price Re. 1-12-0.
- (4) Modern English Essays by H. W. Padley (R.S. Munshi Gulab Singh and Sons). Price Re. 1-12-0.

For 1935.

- (1) Tales of Travel and Exploration by Richard Wilson (J. M. Dent and Son).
- (2) St. Ives by Stevenson (The Wayfarer's Library—Dent). Price £0-1-6.
- (3) Some Stories of Wonder and Adventure by Miss Heath (Uttar Chand Kapur and Sons). Price Re. 1-12-0.
- (4) Standard English Essays by H. Martin (Shamsher Singh and Company). Price Re. 1-10-0.

Note.—The examination will consist of (1) Translation from English to Vernacular and *vice versa*; (2) An Essay on a general subject; (3) Short Essays and questions on the subject-matter of the books prescribed.

VI.—MILITARY SCIENCE (OPTIONAL).

For 1934 and 1935.

The same as for the Intermediate Examination.

FINAL EXAMINATION IN AGRICULTURE.

*For 1934 and 1935.***Courses of Studies in Principal Subjects.****I.—AGRICULTURE.***For 1934.***PART I.**

- I. Classification of domestic animals.
- II. Cattle (cows, bullocks, buffaloes) breeds, races found in the Province, description, distribution, merits and defects.
- III. Elementary knowledge of poultry, sheep, goats, horses, mules and camels.
- IV. Management of stock.
 - (a) Feeding.
 - (i) Composition and analysis of foods available in the Province : nutrients and their utilisation.
 - (ii) Digestibility, determinations and coefficients.
 - (iii) Energy value of nutrients
 - (a) in calorimeter,
 - (b) to animals.
 - (iv) Relative values of foods --
 - (a) for maintenance purposes,
 - (b) for productive purposes.
 Chaffing, grinding, bruising and cooking foods.
 - (v) Energy and protein requirements of animals --
 - (a) for maintenance,
 - (b) for various productive purposes. Rations for bullocks and for cows.
 - (vi) Summary of principles affecting economy and efficiency in feeding : practical details.
 - (b) Housing of stock--Housing requirements in India, situation and construction. Drainage of cattle byres. Location and construction of manure pits.
 - (c) Breeding of stock, especially cattle. Heredity and variation, breeding for special purposes, characteristics of working and milking breeds, measurements and records, possibilities of dual purpose strain. Fecundity, care of breeding stock, periods of gestation, treatment of young animals, castration and its value and effect.

V. Dairying.— Nature of milk ; general composition of milk of Indian cows. European and cross-bred cows, buffaloes and goats. Conditions exerting an influence on the quality and quantity of milk.

Conditions required to produce wholesome milk, contamination of milk ; sources and prevention.

Treatment of milk ; pasteurising ; sterilising and marketing. Care of milk vessels, cream composition.

Separators, butter-making, churning, washing, salting, preserving ; preparing for market.

Manufacture of cheese, casein, lactose, dried milk and condensed milk.

Practical Work.

I. Tours to important cattle breeding farms in the Province.

II. Cattle - Determination of breeds. Detection of merits and demerits of individual animals.

III. Feeding and care of cattle ; conducting a simple experiment in cattle feeding.

IV. Practical Dairy work.

Books recommended : —

Feed and Feeding, W. A. Henry and E. B. Morrison (Henry-Morrison Company, Madison, Wisconsin). Price £1-1-0.

Principles and Practice of Butter Making, McKay and Larsen (John Wiley and Sons). Price 15s.

Breeding and Improvement of Farm Animals by Rice (McGraw-Hill Book Co., 6, Bouverie Street, London).

Principles and Practice of Cheese Making by Van Slyke and Price (Orange Judd Publishing Co., New York).

PART II.

I. Farm management. — Principles governing the different systems of farming, management of farm labour, bullock and other labour. Costs of cultivation and stock-keeping. Comparison of incomes derived from stock breeding, dairying, and arable farming. Estimation of outturns. Valuation of crops.

Equipment of farms. — Capital required for various types of farming. Machinery and implements. Cultivation by tractors and steam tackle ; power-driven threshers and other machinery, costs of such operations, utility.

Agricultural book-keeping. — Object and advantages of keeping farm accounts. Some simple methods of farm book-keeping.

II. Agricultural Experiments. — Selection of areas, size of plots, laying out plots, method of conducting experiments. Recording and interpreting results. Experimental error and

probability. Multiplication of selected seeds, methods and precautions, distribution of seed.

Demonstration work.

Recent developments in agriculture in relation to practical methods.

Practical Work.

I. Tours to study conditions in other parts of the Province.

II. The class will be divided into small groups and each group of students will carry out an experiment in a small plot approved by the Professor of Agriculture. All the work that the students do in their plots will be entered in note-books and attested by the teacher-in-charge. Candidates will be required to submit for examination their original Note-books initialled and dated by the teacher-in-charge of the class.

III. Further proficiency in use of implements and in cultivation.

IV. Visits to the College estate and surrounding farms.

Books recommended :—

The Book of the Rothamsted Experiments, A. D. Hall and E. J. Russell.

Farm Equipment, Kranich (Macmillan). Price 13s. 4d.

Farm Costs, Orwin (Oxford University Press).

Farm Book-keeping, Kirkwood (W. Green and Son). Price 6s. 11d.

Animal Nutrition by T. B. Wood (University Tutorial Press, Ltd., London, W.C.2).

Farm Implements and Machinery by Bond (1923) (Benn Brothers, Ltd., 8 Bouverie Street, E.C.4, London).

For 1935.

Under Part I—

At the end of paragraph V after “milk” add “The present position of milk supply in Indian cities and its improvement, with special reference to Lahore”.

Under Part II—

Substitute for paragraph II the following :—

“*Agricultural Experiments*—Selection of site for farms, laying out of land, shape and size of plots, methods of conducting various experiments.”

“*Application of statistical methods*—Nature and use of statistics, simple diagrams, frequency tables and graphs, different types of averages, measures of variability. Experimental error and probability. Index numbers.”

Demonstration work -- Multiplication of selected seeds and its distribution. Methods of demonstration and propaganda. Summary of Agricultural improvements. Organisation of the Department of Agriculture."

Under Practical work for Part I *add* "V. Tours to study conditions in other parts of the Province".

Under books recommended for Part II, *delete* "Farm Equipment by Kranich" and *add* :-

"An Elementary Manual of Statistics by A. L. Bowley.
Price Rs. 6."

"Theory of Statistics by Thurstone."

The rest as for 1934.

ELEMENTARY AND AGRICULTURAL ECONOMICS.

For 1934.

(a) *Elementary Economics.*

Elementary notions in Economics.

(i) Definition of Economics, its aim and scope.

Economic activity—want—effort and satisfaction.

Economic life and economic system. Modern economic organisation—consumption—production, distribution, and exchange.

(ii) Consumption and demand.

Want—standard of living and standard of comfort.
Standard of Life.

Wealth, necessities, comforts and luxuries.

Utility—the Law of diminishing utility.

Demand—Law of demand—elastic and non-elastic demand.

(iii) Production and supply. Modern production and its characteristics. Supply. Law of supply. Laws of increasing, decreasing and constant returns.

(iv) Exchange. Market, Value and Price. Theory of Value. Law of supply and demand in a market. Connected values. Monopoly value.

(v) Organisation. Factors of production, land—labour—capital and organisation and their characteristics. Division of labour and scale of production. Forms of business organisation. Competition and combination.

- (vi) Distribution—rent, interest, wages and profits.
 - (vii) Mechanism of Exchange. Money—prices—credit—banks—internal and external trade. Rate of Exchange.
 - (viii) The State in relation to economic activity. Laissez Faire and State interference. Elements of Public Finance.
- (In the study of this part of the syllabus, special attention should be paid to Indian conditions, both for purposes of illustration and application.)

II. Economic Geography of the Punjab.

Physical features and their economic importance, economic effects of its geographical position. Resources, agricultural, mineral and forest. Population, its distribution according to occupations. The village system—social and economic effects of village economy. Industries, trade and communications.

Books recommended for reference :—

1. Richards—Groundwork of Economics. University Tutorial Press. Rs. 6.
2. Basu—Economic Principles for Indian Readers. Pitman. Rs. 7-6-0.
3. Silverman—Substance of Economics. Pitman. Rs. 6.
4. Dore—Punjab, N.-W.F.P. and Kashmir. Cambridge University Press.
5. Briggs—Text-book of Economics. University Tutorial Press. Rs. 6.

(b) *Agricultural Economics.*

I. Agriculture as an industry, its place in the economic system and its social and economic effects. A brief survey of the economic history of Agriculture in India and other countries. The transition to commercialised and scientific agriculture. The place of economics in modern agriculture and rural life. Scope and meaning of Rural and Agricultural Economics.

II. Agricultural law and custom—Tenures and land laws. Detailed study of the system of land revenue settlement and administration and of the laws relating to tenancy, alienation, pre-emption, partition and succession.

III. Economics of Punjab Agriculture :—

- (i) Special study of the factors of production.

Land—area and situation and the law of diminishing returns.

Labour—its supply, efficiency and wages.

Capital—forms of agricultural capital—equipment. Agricultural credit and indebtedness. Co-operative credit and Government loans.

Organisation Management. Law of proportions and combination of factors of production. Factors governing the selection of crops and the size of holdings. Large and small scale production. Intensive and extensive cultivation. Cultivation by different systems of farming, their comparative merits. Land tenures and their economic effects. Batai systems—competitive and customary rents.

(ii) (a) Survey of the economic history of the Province.

(b) The study of the important economic problems in Agriculture—soil, climate, water supply, people, holdings, tenancy, indebtedness, rise of prices and marketing.

IV. The Punjab canals and colonies. Irrigation works, their economic effects, new projects.

Canal colonies, history, progress and economic importance, new schemes.

V. Marketing and distribution—detailed study of the existing system of marketing and transport with special reference to wheat and cotton trade. Marketing problems and facilities. Organisation in advanced countries. Direct and co-operative marketing. Marketing of fruits and vegetables.

VI. Punjab industries and trade—Industrial position of the Punjab. Industrial development in relation to Agriculture. Subsidiary and cottage industries.

VII. Agricultural and rural organisation. Study of the origin, principles and progress of the Co-operative Movement in the Province and abroad. Its importance in rural organisation. Rural welfare and reconstruction, movement in other countries, rural uplift and rural community councils in the Punjab. Education and sanitation. Diet and standard of living, and its effect upon production. Economic surveys and rural problems.

VIII. Punjab Administration and Finance. General features. Development Schemes.

Punjab exports and imports. Influence of rate of exchange, tariffs and sea-freights on agriculture and industries.

The following books and reports are recommended for reference :—

Taylor—Agricultural Economics. Macmillan.

Carver—Principles of Rural Economics. Ginn and Co.

Rew—A Primer of Agricultural Economics. John Murray.

Rs. 3-12-0.

- Calvert—Wealth and Welfare of the Punjab. Civil and Military Gazette Press, Lahore.
- Darling—The Punjab Peasant in Prosperity and Debt. Oxford University Press.
- Trevaskis—The Land of Five Rivers. Oxford University Press.
- Darling—Rusticus Loquitur or the Old Light and New in the Punjab Village. Oxford University Press.
- Leake—Bases of Agricultural Practice and Economics in the U.P.
- Latifi—Industrial Punjab. Longmans.
- Bodnoch—Punjab Industries, 1911-17. Superintendent, Government Printing, Lahore.
- Keating—Agricultural Progress in Western India. Longmans.
- Jathar and Beri—Indian Economics, Vols. I and II. Oxford University Press. Price Rs. 10.
- Mukerji—Rural Economy of India. Longmans.
- Land of Five Rivers. Volume I. Punjab Administration Report, 1921-22 (being the decennial portion of the Punjab Administration Reports). Government Press, Lahore.
- Indian Year Book.
- Latest Report of the Government of India for presentation to Parliament.
- Report of the Royal Commission on Indian Agriculture.
- Report on Punjab Administration, Land Revenue Administration and Co-operative Societies, and other relevant reports.
- Publications of the Standing Board of Economic Inquiry, Punjab.
- Punjab Land Acts, Vols. I and II.
- Provincial (Punjab) and Central Banking Inquiry Committee Reports.

For 1935.

Under (a) *Elementary Economics*—

In books recommended *substitute* "Thomas and Aggarwal—Elements of Economics for Indian Students. Malhotra Bros. Rs. 4-4-0" *for* "Basu—Economic Principles for Indian Readers".

Under (b) *Agricultural Economics*—

After "Rew—A Primer of Agricultural Economics" *add.*:—

"Agricultural Economics by O'Brien. Longmans, Green and Co. Price Rs. 6".

"Introduction to Agricultural Economics by Gray. Macmillan".

Delete "Mukerji—Rural Economy of India" and *add* "Studies in Indian Economics by A. N. Bali. Uttar Chand Kapur and Sons, Lahore".

The rest as for 1934.

II.—CHEMISTRY AND AGRICULTURAL CHEMISTRY.

For 1934.

PART I.

(a) *Physical Chemistry.*

Atomic and molecular theory and the determination of atomic and molecular weights. The general properties of gases, liquids and solids. Solution and elementary electrochemistry.

The principle of construction and use in Physico-chemical measurements of the following instruments :—

Spectroscope, refractometer, polarimeter, viscometer, calorimeter, nephelometer.

Chemical statics and dynamics. Catalysis. The colloidal state.

(b) *Organic Chemistry.*

Hydrocarbons.—Aliphatic, olefinic, acetylenic and aromatic ; their halogen derivatives, alcohols, ethers, esters, aldehydes, ketones, acids, amines and amides. Compounds of multiple function ; hydroxy and amino acids, urea and the ureic acid group. Carbohydrates. Heterocyclic compounds and the simple alkalioids.

As far as possible illustration will be extended to compounds of biochemical significance.

Books recommended :—

Physical Chemistry by Firth.

Organic Chemistry. Norris. (McGraw-Hill Book Co., New York.) Price about Rs. 8.

Or alternatively, Organic Chemistry. Cohen. (Macmillan.)

Practical.

1. Qualitative analysis of mixtures.
2. Quantitative analysis.

• (a) Gravimetric.

Estimation of the following acid radicals ; sulphates, phosphates, chlorides, silicates ; and the following metals :—iron, aluminium, calcium, magnesium, sodium and potassium.

(b) Volumetric.

Preparation of standard solutions, and the use of the following in analysis :—

Potassium dichromate, Potassium permanganate, Iodine, Sodium thiosulphate.

(c) Estimation of Nitrogen in—

- (i) Nitrates by means of phenol sulphonic acid ;
- (ii) Nitrates by Lunge's Nitrometer method ;
- (iii) Ammonia by Kjeldahl's method.

3. Organic preparations :—

Alcohol, ethyl bromide, acetyl chloride and anhydride, acetone, acetaldehyde, Nitrobenzene and dinitrobenzene, Aniline, phenol, sulphanilic acid, helianthine. Identification of the elements in organic combination.

Methods of identification of the following groups :—

Alcoholic, phenolic and acidic hydroxyl ; carbonyl group in aldehydes and ketones ; the nitro, amino and amido groups ; esters ; separation of the hydrocarbon radical from its carboxy derivatives.

Determination of melting points and boiling points.

Book recommended :—

Notes on Qualitative Analysis, Fenton.

PART II.

(c) *Agricultural Chemistry.*

1. Soils.

Their origin, classification, chemical, physical and mineralogical characteristics. Chemical and mechanical analysis.

2. Soil Physics.

Density and Thermal Properties of soils, Capillarity and the movement of moisture in soil. Moisture equivalents, wilting point, hygroscopic moisture. Evaporation. Soil Colloids. The soil solution and its osmotic properties. Salinity in soils.

3. The plant in relation to the soil ; the essential elements necessary for growth in the plant, and their provision by manures.

4. Biochemistry.

Chemical action in living matter ; catalysis and enzymic action. Soil bacteriology, nitrogen fixation, nitrification and denitrification. The sulphur cycle. Study of optical activity, sugars and glucosides. Fermentation and the action of enzymes. Alcoholic fermentation of sugar, yeasts zymase, invertase and lactase ; maltase. Germination and amylase. Fermentation of cellulose. Lipase and oxidases. Rennet and thrombosc.

The albumins and their chief decomposition products studied with reference to the processes of digestion and absorption. Fermentation in the following processes : -Cheese-making, indigo, tea, tobacco, coffee and cocoa. The fermentation of farm yard and green manures.

The following books are recommended for consultation :-

Bacteriological and Enzyme Chemistry -Fowler. (Macmillan and Co.)

Hall's Soil -Murray.

Hall's Fertilisers and Manures- Murray.

Chemistry of Food and Nutrition--Sherman. (Macmillan and Co.) Price 6s. 6d.

Journal of Agricultural Science.

Practical.

1. Analysis of soil :—

Mechanical analysis of soil.

Sedimentation.

Chemical analysis of soil.

Estimation of lime, carbon dioxide. Insoluble matter.

Total nitrogen, phosphates and potash.

Empirical analysis for available plant food material.

Analysis of alkali soils. Separation by means of Berkefeld filter.

2. Manures :—

Analysis and valuation of the following manures :—

Farmyard manure. Oil cake. Potash manures. Phosphatic manures. Superphosphate and basic slag. Calcium cyanamide.

3. Milk analysis :—

(a) Total solids by the absolute method, the use of Richmond's scale.

(b) Specific gravity of milk.

(c) Fat. Absolute method by extraction with ether (Werner's method), use of Lister Gerber's apparatus in estimating fat in milk.

(d) Proteins by Kjeldahl's method.

4. Butter, Ghee and Dairy products :—

Analysis for fat, moisture, added substance, examination of butter fat, physical and chemical constants of butter fat. Refractive index of fats and the use of the refractometer and butyrometer.

5. Analysis of fats and oils :—

The estimation of oil in oil-cakes.

The determination of saponification equivalent. Acid value, acetyl value, iodine values of fats. Example, Butter fat (ghee), cocoanut oil, castor oil, linseed oil, cotton-seed oil.

6. Sugar analysis :—

Determination of the amount of juice and bagasse yielded by an ordinary farm mill.

Analysis of juice. Specific gravity of juice.

Determination of total solids from sugar density-tables. The estimation of sugar, the use of polarimeter and saccharimeter. The determination of reducing sugar and use of Fehling's solution.

7. Fermentation :—

(i) The alcoholic fermentation of gur solution by common yeasts. The estimation of alcohol. Alcoholic tables, measurement of the contraction of alcohol on dilution.

(ii) Germination. The germination of barley and the preparation of malt. Preparation of amylase from barley and its action on starch. Diastatic power of commercial malt.

(iii) Action of trypsin and pepsin.

(iv) Rennet and coagulation of milk.

8. Protein reaction.

Text-book recommended :—

Auld and Ker.—*Practical Agricultural Chemistry*. Price Rs. 6.

Other books of reference will be provided in the College library.

For 1935.

Under (a) *Physical Chemistry*, delete "viscometer" and "nephelometer" and add "potentiometer in the determination of pH values".

Under (b) *Organic Chemistry*, from books recommended delete "Physical Chemistry by Firth" and add "Class-book of Physical Chemistry by Claissan".

Under *Practical*—

After "Acid radicals" add "Carbonates and bicarbonates".

In paragraph 3, Organic preparations, under "Practical" delete "acetyl chloride and anhydride", "dinitrobenzene", "helianthine"; and add "citric acid, oxalic acid and iodoform".

At the end of the paragraph, *after* "boiling points" *add* "Determination of vapour density by Victor Meyer's method. Molecular weight determination by the Cryoscopic method".

Under (c) "Agricultural Chemistry" *after* "analysis" *add* "Soil organic matter. Soil acidity and alkalinity".

For paragraph 3 *substitute* the following :—

"The plant in relation to the soil, the elements essential for plant growth, absorption of nutrients, the rôle of mineral materials in plant metabolism and their provision by manures."

For paragraph 4 under "Biochemistry" *substitute* the following :—

"Chemical action in living matter; catalysis and enzymic action. Some action of the yeast-cell illustrating intermediate metabolism. Foods and feeding stuffs; their chemical composition. Metabolism of carbohydrates, lipoids and proteins. Rôle of minerals in nutrition. Vitamines. Maintenance rations and feeding for milk and fat production, Woolf Lahman, Kellner, Arnsby standards. Composition of milk, butter and cheese and the changes which milk undergoes in the preparation of the latter two.

Soil bacteriology, nitrogen fixation, nitrification and denitrification. Sulphur cycle. The fermentation of farmyard and green manures. Silage making."

Under books recommended, *add* :—

"Soil Conditions and Plant Growth, by Russell."

"Text-book of Biochemistry, by Cameron."

The rest as for 1934.

III.—BOTANY AND APPLIED BOTANY.

For 1934.

PART I.

(1) Classification and study of the following groups of Cryptogamic plants :—

(a) Thallophyta :—Algae : Oscillaria, Spirogyra, Vaucheria, Fucus and Chara. Fungi : General distinguishing characters. Lichens.

(b) Bryophyta :—Funaria and Marchantia.

(c) Pteridophyta :—Ferns (Pteris), Marsilea, Equisetum, Lycopodium, Selaginella.

(2) The reproduction and life-history of Angiosperms; the structure and life-history of Pinus.

(3) The chemical elements found in plants.

(4) Physiological processes: respiration, transpiration, absorption of food materials, and formation of food from them. The sources from which plants obtain their food material. Growth and methods of measuring the rate of growth in stem and root. Fundamental facts of ecology.

PART II.

Seeds Methods of estimating purity and germinating capacity; identification of seeds of common crops and weeds.

The principles of Mendelism.

Detailed study of Agricultural crops, viz., cottons, wheats, etc., with their points of economic interest; influence of environment, effect of climate and cultivation.

Plant propagation- Various methods; influence of these methods on the produce.

Plant variation- Improvement of crops by hybridisation and plant-to-plant selection. Possibilities of developing improved types.

Study of common plant products: - Characters, common uses, detection of impurities microscopically and otherwise.

Fruit Culture.

Study of the important fruits of the Province.

Requirements of fruit plants: - climate, soil, water and manures.

Selection of Orchard sites. Practical training in budding, grafting, layering and pruning; protection and care of plants.

Picking, packing and marketing of fruits.

Fruit preservation: (a) Canning and bottling of fruits and vegetables.

(b) Preparation of jellies, syrups, jams, marmalades, preserves, etc.

(c) Drying of fruits and vegetables.

The students will be associated in the experiments under the Fruit Specialist on the Botanical Farm.

Mycology.

The nature of fungi. Their position in the vegetable kingdom. Structure of hyphæ, sporophores, spores, methods of reproduction. Habits and habitats of fungi. Food and its sources. Saprophytes, parasites and their modifications. How fungi

spread. Manner of infection. Effect of the parasites on the host tissues and organs. Predisposition to disease. Immunity.

Classification of fungi :—Characters of the main groups and of the important families.

The special study of those common diseases of field and garden crops which have been sufficiently worked out.

Bacteria and their general actions. Bacterial diseases in plants.

Symptoms and prevention of diseases. Remedies and their mode of action. Preparation and practical application of fungicides.

This course will consist of practical work in the laboratories and in the field with explanatory lectures.

Books recommended :—

A Manual of Botany —Green— Vol. II, J. and A. Churchill. (Macmillan and Co.)

Mendelism— Punnett.

J. N. Martin : Botany with Agricultural Application. (John Wiley and Sons, New York.)

Firminger and Burns : Manual of Gardening. (Thacker, Spink and Co., Calcutta.)

Strasburger : Text-book of Botany.

Fundamentals of Plant Breeding—John M. Coulter. (D. Appleton and Co., New York.) Price 10s.

Fungi and Diseases in Plants— Butler. (Thacker, Spink and Co., Calcutta.)

For 1935.

Under III.— Botany and Applied Botany, paragraph (1) (a) —

After "Oscillaria" add "Ulothrix".

Next line, after "Fungi" for "General distinguishing characters" substitute "classification of fungi and characters of the main groups".

Paragraph (b) Bryophyta, for "Funaria and Marchantia" substitute "Marchantia, Anthoceros; Funaria".

Under Mycology, paragraph 2, delete "Classification of fungi" and "of the main groups and".

Under books recommended —

Delete "A Manual of Botany Green—Vol. II" and add "A Text-book of General Botany by Holman and Robbins. (John Wiley and Sons, New York)".

Delete "Strasburger: Text-book of Botany" and add
• "Botany of Crop Plants by Robbins. (Blackiston Philadelphia)".

Add the following :—

"A Manual of Plant Diseases by F. D. Heald. (McGraw-Hill Book Co., New York.)"

- “Wickson—Californian Fruits. Pacific Rural Press.”
 “Principles of Plant Physiology by O. Rober (the MacMillan Co., New York).”

The rest as for 1934.

IV.—AGRICULTURAL ZOOLOGY-ENTOMOLOGY.

For 1934 and 1935.

1. Aim and scope.
2. Protozoa with special reference to the soil organisms and pathogenic forms causing diseases of cattle and insects such as the silk-worm and honey-bee.
3. Trematods and Cestodes as parasites of farm animals.
4. Nematods with special reference to soil Nematods and pests of crops. Nematod parasites of domestic animals.
5. A brief account of the Annelida with special reference to the soil forms.
6. Arthropoda as pests of crops and disease-carriers in domestic animals.
7. Entomology.

Pure Entomology.

Insect Morphology, external and internal, including histology and histological technique.

Insect Embryology and post-embryonic development.

Insect Physiology and Psychology.

Insect Ecology and Distribution.

Systematic Entomology—Classification up to families and sub-families.

Identification of insects.

8. *Applied Entomology.*

Insects in relation to crops and fruits in the Punjab.

Pest of stored products and household pests.

Control measures :—Natural control—: influence of winter condition, humidity, soil moisture, precipitation, wind, seasonal changes, etc.

Biological control :—Predaceous animals, predaceous and parasitic insects, fungal, bacterial and protozoic diseases.

Artificial control :—Agricultural operations, kind of cropping, cultivation, ploughing, rotation of crops, time of sowing, harvesting, clean cultivation, drainage, irrigation, trap-crops, etc. etc.

Mechanical Methods—Traps, etc. etc.

Chemical Methods—Insecticidal ; stomach and contact poisons, fumigants, repellents, deterrents, soil insecticides.

Dusting, spraying and fumigating machinery.

Insect carriers of disease to man and cattle.

9. *Beneficial and useful insects—Sericulture, lac-culture and apiculture.

10. Legislation dealing with pest control.

11. Organisation of pest control work.

12. System of record.

(Students shall be expected to gain general familiarity with Entomological literature.)

13. Insect collection and its maintenance.

14. Mollusca, as pests of crops and intermediate host of parasitic worms.

15. A general account of the Pisces, Amphibia and Reptilia as enemies of insects. A brief account of the common snakes of the Punjab.

16. Aves—Classification and study of species useful and harmful to Agriculture.

17. Mammalia with special reference to groups harmful to crops particularly Ungulata, Rodentia, Chiroptera. Mammals as enemies of insects.

Practical.

1. Study of the external and internal anatomy, embryonic and post-embryonic development of common examples of the groups mentioned above of each order of the class insecta.

2. Histological technique.

3. Field and laboratory study of the main crop, fruit, stored grain, and household pests of the Province.

4. Insect breeding; collecting, setting and preserving of insects.

5. Preparation and use of insecticides; contact and stomach poisons and fumigants.

6. Familiarity with the mechanism and use of spraying and dusting machinery.

7. Practical instructions in sericulture, lac-culture and apiculture.

(Students will be expected to take part in actual pest control operations.)

Books recommended :—

Lefroy—Indian Insect Life.

” ” Pest.

Imms—General Text-book of Entomology.

Comstock—Introduction to Entomology.

* Metcalf and Flint—Useful and Destructive Insects.

Anderson and Roth—Fungicide and Insecticides, and Appliances.

Various Entomological Memoirs and Publications of Agricultural Research Institute, Pusa.

V.—ENGLISH.

*For 1934.**Set Books :—*

1. More Essays of To-day (Harrap), selection made by F. H. Pritchard.
2. A. C. Benson (Essays of To-day and Yesterday Series).

Books for rapid reading . —

1. The Return of the Native— Hardy.
2. A Tale of Two Cities— Dickens.
3. The Conclusions of Modern Science— Walter Grierson (published by Newnes).

*For 1935.**Set Books :—*

1. More Essays of To-day (Harrap), selection made by F. H. Pritchard.
2. Modern English Essays by Mrs. Barnes.

Books for rapid reading .—

1. Tess of the D'urbervilles by Hardy.
2. David Copperfield by Dickens.
3. The Conclusions of Modern Science— Walter Grierson (published by Newnes).

Note.—The examination will consist of (1) Translation from English to Vernacular and *vice versa*; (2) An Essay on a general subject; (3) Short Essays and questions on the subject-matter of the books prescribed.

Courses of Studies prescribed for Subsidiary Subjects.

For 1934 and 1935.

I. AGRICULTURE AND ECONOMICS.

Paras. IV and V of Part I, and II of Part II of the principal course.

Practical—I-IV of principal course.

2. CHEMISTRY AND AGRICULTURAL CHEMISTRY.

The occurrence, methods of preparation and general characters of Methane, Ethane, Ethylene and Acetylene, and their derivatives, Halogen Compounds, Alcohols and Ethereal Salts, Ethers, Aldehydes, Ketones, Monobasic Acids; Esters; Oxalic, Succinic, Tartaric and Citric Acids; Amines, Amino Acids, Glycine, Cellulose, Starch Dextrose; Lævulose and Cane Sugar; the processes of Fermentation; Urea and Uric Acid, Glycerol; the Fats and Soaps. Benzene, its homologues, and their more important derivatives, *viz.*, Halogen, Nitro and Amino Compounds, Phenols, Benzaldehyde, Benzoic and Salicylic Acids and their esters. Naphthalene. The Structural Formulae, occurrence and properties of the following compounds: Furfurence, Pyrrol, Thiophene, Pyridine and Coniine.

Simple Bacteriology of the Nitrogen Cycle.

The chemical composition of the plant, chemical changes which take place during germination and growth.

The mechanical and chemical composition of the soil. The movement of water in the soil. The soil solution and the chemical needs of plants. Soil deficiencies. Manures and fertilisers.

Chemistry of Animal Feeding and Dairymg.

Analysis of feeding stuffs and the determination of digestibility coefficients.

Physiological utilisation of the foods. Metabolism. Balance of Nutrition.

Maintenance Ration. Woolf-Lahman, Kellner and Armsby standards.

Feeding for fattening and milk production.

Rôle of minerals in Nutrition. Determination of Nitrogen and mineral balance sheets.

A more detailed study of Diets from the following stand-points:—

1. Net energy values.
2. Protein and Amino Acid Values.
3. Mineral content.
4. Vitamin content.

Composition of milk, butter, cheese and the changes which milk undergoes in the preparation of the latter two. The chemical and biological changes underlying the deterioration of the above substances.

Practical.

Purification of organic substances.

Separation of two organic compounds by fractional distillation. Testing for purity of organic substances. Detection of N, P, S, C, and Cl in organic substances.

The determination of the percentage composition of simple substances and the deduction of the formulæ.

Determination of the molecular weight of simple organic compounds.

Quantitative determination of Moisture, Ash, Fat, Fibre, Starch and Nitrogen in foodstuffs.

The quantitative determination of sugars, and their identification by means of the Osazone and other reactions; structure and use of the Polariscope.

The fermentation of sugar, preparation and estimation of Alcohol.

Preparation and purification of soap from fats.

Detection and estimation of Urea and Uric Acid in Urine.

The tests for and properties of proteins; their extraction from simple food materials.

The analysis of Milk, Butter and Cream and the detection and estimation of simple adulterants.

The mechanical and chemical analysis of soils.

The estimation of Phosphorus, Potash and Nitrogen in artificial manures.

Candidates will be expected to analyse qualitatively mixtures of not more than four radicals and may be asked to determine one quantitatively. Analysis of mixtures will be confined to acids and bases included in the syllabus for the First Examination in Agriculture.

Importance will be attached to the ability to set up apparatus bearing on the general theoretical and practical work.

Practical note-books must be presented at the examination and these will be taken into consideration in allotting marks.

3. BOTANY AND APPLIED BOTANY.

1. *Elementary Physiology*.—Elements of plant food and the sources from which they are obtained. Processes of respiration, transpiration, carbon-assimilation and growth.

2. Methods of estimating purity and germination capacity of seeds. Identification of seeds of common crops and weeds.

3. Various methods of reproduction and the influence of these methods on the produce.

4. The types of the Punjab cottons, wheats and a few minor crops (barley, gram, etc.), with their points of economic interest.

5. Improvement of farm crops by plant selection and crossing.

6. *Fruit culture*.—Methods of cultivation of Date palm, Fig, Plum, Peach, Mango, Grape, Orange and Banana. Practice in pruning, grafting and budding.

Plant diseases.

Characters of the main groups of the Fungi.

Life-history of a few common fungal parasites of field and garden crops.

Symptoms and mode of attack of the diseases.

Preventive and remedial measures.

Preparation and application of fungicides.

Elementary facts concerning bacterial fixation of free nitrogen in leguminous crops and bacterial diseases in plants.

Explanation of the experiments being carried out in the Botanical Section.

4. AGRICULTURAL ZOOLOGY-ENTOMOLOGY.

1. Insect morphology, external and internal, post-embryonic development.

2. Insect behaviour.

3. Principles of insect ecology.

4. Classification into orders and main families of economic importance.

5. Applied Entomology as for major subject (paragraph 7).

6. Beneficial and useful insects.

7. Organisation of pest control.

8. A general account of useful and harmful birds and mammals.

Practical.

1. A general study of the external and internal anatomy of post-embryonic development of the more important orders of the Insecta.

2. Field and laboratory study of the major crops, fruit, stored grain and household pests.

3. Collecting, setting and preserving of insects.

4. Preparation and use of insecticides.

5. Use of spraying and dusting machinery.

6. Demonstration of the methods of sericulture, lac-culture and apiculture.

Book recommended :—

Metcalf and Flint—Useful and Destructive Insects.

Courses of Studies prescribed for Qualifying Subjects.

For 1934 and 1935.

MANUAL TRAINING.

FIRST YEAR.

Carpentry.—The use of tools, straight halved joint, angle halved joint, cross, halved or cross lap joint, dovetailed lap joint, bevelled halving, shouldered dovetailed halving, double notching, dovetailed notching, tredgold notching, cogging, bridle joint, oblique bridle joint, tabled scarf, splayed scarf, vertical scarf, dovetailed scarf, double forked joint.

Metal Work.—Single and double rivetted lap joints, single and double rivetted butt joints with single and double cover plates, soldering, brazing.

AGRICULTURAL ENGINEERING.

THIRD YEAR.

Materials.—Choice of materials used in works, specification and properties of timber, stone, brick, lime, concrete, iron, steel, other metals. Stresses and strains, tension, compression, bending, neutral axis, shearing, torsion, moment, bending moment, moment of resistance, moment of inertia, elastic limit, modulus of elasticity, factors of safety.

Structures.—Calculation of strength of beams and shafts, polygon of forces as applied to trusses, retaining walls and arches.

Roads.—Laying out, formation, metalling, consolidation, maintenance, influence of materials and strata, traffic effects and repairs.

Buildings.—Plans, elevation and sections, classes of masonry, standard sizes of materials used in construction and works generally, taking out quantities and estimating cost.

Machines.—Soil working and their mechanics, farmyard machines, internal combustion and steam engines, pumps and lifts, Persian wheel, charsa pulsometer, air lift, lift and force and reciprocating pumps, centrifugal pumps.

Hydraulics.—Wells and well sinking, boring tube wells, cone of depression, loosing water, regaining water, field application, flow of water in pipes, channels and over weirs and notches.

Land Surveying.—The optical square, prismatic compass, box sextant, theodolite, Abney level, Dumpy level, Y level. Temporary, semi-permanent and permanent adjustments of levels, levelling staff. Levelling and check levelling, recording levels, reduction and checking of levels, plotting sections from levels.

2. VETERINARY SCIENCE.

General anatomy will be taught by the Zoological Section. The course in Veterinary Science will be mainly practical and will cover the following subjects. The examination will be practical only :—

Hygiene.—The sanitary location of stables; ventilation; drinking water; wholesome food; cleanliness and stable management.

Drugs and Pharmacy.—Different terms used, *viz.*, antiseptics, disinfectants, demulcents, counter-irritants, caustics, stimulants, anti-spasmodics, astringents, anthelmintics, tonics, alteratives, stomachics, purgatives, diuretics, with examples of each. Medicine to be discussed only in connection with specific diseases as mentioned in the course.

Different ways of giving medicines, methods of making infusions, decoctions, balls, powders, etc.

Liniments, ointments, lotions, mixtures.

Weights and measures used in pharmacy.

Toxicology.—Common poisons: their symptoms and treatment.

General diseases.—Conformation of healthy stock and the more common defects. Nature of contagious diseases, their prevention and treatment :—

- (1) Rinderpest; Haemorrhagic septicæmia, Black quarter, Anthrax.
- (2) Foot and Mouth disease, Liver fluke, Cow-pox.
- (3) Strangles, Surra, Glanders and Farcy, Dourine.
- (4) Rabies, Tetanus.
- (5) Lampas, Irregular teeth, Choking, Sore throat.
- (6) Indigestion, Colic, Diarrhœa, Impaction of rumen, Tympanitis fever.
- (7) Cold or catarrh, Laryngitis, Cough.
- (8) Conjunctivitis, Ulcer in the cornea.
- (9) Mange, Urticaria.
- (10) Retention of urine.
- (11) Signs of Inflammation, its results and treatment.
- (12) Sprains of ligaments, tendons and muscles: symptoms and treatment.
- (13) Bone spavin, Splint, Ring bone.

- (14) Capped elbow, Capped hock, Bog spavin, and Wind galls.
- (15) Minor surgery including the treatment of wounds; simple lameness.
- (16) Laminitis, Prick in shoeing.
- (17) Diseases of the hoof.
- (18) Signs of pregnancy and parturition, inversion of vagina.
- (19) Mammitis.

Diseases of young calves.—Constipation, white scour, joint ill.

Points to note in purchasing horses and cattle.—Identification marks, important defects, ageing, etc.

Handling stock.—Securing and throwing of animals, administering of medicines, giving of balls, drenching, dressing of wounds, taking of pulse, respiration, temperature, bandaging, poulticing, inhaling, fomentation and blistering.

Text-book: "Some Diseases of Cattle in India", as revised by Colonel Walker.

MILITARY SCIENCE (OPTIONAL).

For 1934 and 1935.

The same as for the B.A. Examination.

FACULTY OF ENGINEERING.

Syllabuses and Courses of Reading for the Engineering Examinations.

SYLLABUSES.

FIRST EXAMINATION IN ENGINEERING.

GROUP A.

Paper (a)—Mathematics.

Graphs and differentiation of standard functions and rules for the differentiation of a product and a quotient of two functions and function of a function. Successive differentiation. Inverse

functions. Applications to the determination of speed and acceleration of moving bodies and the rate of increase of physical quantities. The slope of curves. Equation to the tangent and normal. Small increments and errors. Approximating to the root of an equation. Maximum and minimum values of a function. Curvature of a curve. Curvature of a beam. Motion in a circle. Banking of railway tracks.

Integration as the inverse of differentiation. Standard integrals. Integration by substitution and by parts. Definite integrals. Area under a curve. Work done by a variable force. First and second moments of plane areas and the theorem of parallel axes. Mean and root mean square values.

Evaluation by logarithms. Logarithms to any base, and relations between them. Applications to engineering problems. The slide rule, theory and practice. Solution of trigonometrical equations, by graphs and otherwise. Graphs of formulæ and graphical solution of equations where algebraic methods fail.

Determination of laws to satisfy observed values from experiments. Simple co-ordinate geometry. Areas of irregular curves from observed values. Mid-ordinate and Simpson's Rules. Work done by varying forces. Average values. Mechanical and electrical problems involving differentiation. Tangents to curves, and orthogonal curves.

Problems in engineering on maximum and minimum values. Areas of curves by integration. Volumes of solids of revolution, and surface area of curves where equation is not known. Centre of gravity by integration and graphical methods: complex functions.

Paper (b)—Mechanics.

Vector and scalar quantities. Addition of vectors. Specification of a force. Addition of forces. Triangle and polygon of forces. Components of forces. Application to cranes, simple roof trusses, and bodies at rest on inclined planes.

Moments of forces. Reactions of beams, and lever safety valves. General conditions of equilibrium under a system of coplanar forces. Parallel forces, and their resultant Couples. Centre of Area and Centre of Gravity. Tension in loaded cords and hanging chains. Stresses in telegraph wires. Behaviour of metals under increasing stresses. Stress-strain diagrams. Elastic limit, elastic and ductile extension; resilience. Calculations of stresses and strains in bars, and columns. Shear stress and shear strain, and transverse modulus. Examples of shear in practice. Calculations of shearing forces, and design of pins under shear. Strength of thin shells and pipes.

Bending moment and Shearing Force diagrams for loaded beams in simple cases. Torsion and torsional stresses in shafts. Angle of twist and torsional stress. Belt friction.

Power required for train haulage. Electric and steam trains, Kinetic Energy due to linear or rotary motion. Momentum and rate of change of momentum. Impact. Solid and fluid friction. Work lost and heat generated. Centrifugal force. Super-elevation of rails. Elementary work in hydrostatics and hydrodynamics.

GROUP B.

Paper (a)—Engineering Drawing and Design.

Forms of screw threads and their projections, sections of the corresponding nuts; lead and pitch of multiple threads. Projection of coiled springs. Standard forms of rivets, bolts, studs, set screws, nuts, keys and key-ways, feathers. Various methods of locking a nut.

Hand sketches of machine parts and the production of scale drawings from sketches. Examples will be taken from following: Stuffing box of a steam engine, the piston, the crosshead, the connecting rod, the eccentric, the D slide valve, plunger blocks and bearings, pipe and shaft couplings and simple machine details.

The correct method of showing dimensions on a machine drawing.

Paper (b)—Practical Geometry.

Position in space defined and exhibited. Fundamental Rules of Projection. The straight line and perpendicular plane. The oblique plane. Horizontal projection or Figured Plans. Planes and Solid Figures in given positions. The Projection of Curves and Curved Surfaces. Tangent Planes to Surfaces. Surfaces in Contact. Intersection of Surfaces and Interpenetration of Solids. Development of surfaces with special reference to Sheet Metal Work. Trihedral Angles and Spherical Triangles. Cast Shadows.

GROUP C.

Paper (a)—Physics and Electrical Engineering.

Methods of thermometry. Measurement of high and low temperatures. Heat Expansion of solids, liquids and gases and their practical consequences and applications. Calorimetry, specific heat and effect of temperature, specific heats of gases.

Change of state. Boiling point and effect of pressure upon it. Latent heat. Connection between latent heat and temperature. Total heat.

Vapours and vapour pressure. Hygrometry.

Transmission of heat, conduction and diffusion of heat and determination of constants. Heat insulation and insulators in

common use. Logging of steam pipes. Convection currents. Radiation and absorption of heat. Laws of cooling. Mechanical equivalent of heat. Isothermal and adiabatic expansion and equations for a gas.

Second law of thermodynamics. Carnot's cycle. Heat engines and their efficiency. Absolute temperature. Entropy. Temperature diagrams, simple practical applications. Wet and dry steam and use of steam tables.

Electrostatic induction, conduction and distribution of Electricity. Electric Machines and other sources of electrification. Condensers; simple theory of electrostatic potential. Condensers in series and parallel. Energy of a condenser. Electrometers. Specific inductive capacity. Electrostatic units. Phenomenon of discharge; Atmospheric electricity; Magnetic attraction and repulsion; Distribution of Magnetism. Terrestrial magnetism. Laws of magnetism; Magnetic force, Magnetic fields, Magnetic shell. Calculation and discussion of magnetic fields due to current in a short straight wire, infinitely long wire, circular wire. C.G.S. and practical unit of current. Solenoid. Force in a magnetic field on a current-carrying linear conductor, rectangular coil. Mutual action of current for two parallel conductors and co-axial coils. Ohm's law of E.M.F. and currents. Ratio constant. Resistance, practical units of electromotive force and resistance. Effect of temperature and light on resistance. Conductors and insulators. Materials used in Electrical Engineering and their electrical properties. Cables and insulations. Resistance of conductors in series and parallel-divided circuits, shunts, earth returns, line leakage. Kirchhoff's laws of E.M.F. and current. Network of conductors—Wheatstone net.

Galvanometers: Astatic, Tangent, moving magnet, moving coil, Ballistic.

Ammeters: Moving iron, Moving coil, Dynamometer, Hot wire.

Voltmeters: Moving iron, Moving coil.

Magnetisation of iron.—Effects due to the presence of iron near or inside current-carrying conductor. Magnetic flux, flux density-lines of induction, permeability, variation of permeability. E.M.F. reluctance, flux, magnetic circuit. Calculations, magnetic leakage. Cycle of magnetisation, hysteresis, hysteresis loss, Steinmetz hysteresis tester. Flux measurement and measurement of permeability by magnetometer method, ring and bar and yoke methods and traction method.

Electromagnetic induction.—Relative motion, electrical and magnetic circuits. Flux linkages, variation of flux, Faraday's laws of electromagnetic induction. Lenz's law, quantitative

relation. Faraday's disc experiment, eddy currents, energy loss due to eddy currents.

Inductance.—Electrical inertia of a circuit, and growth of current, flux linkage variation. Self-inductance, coefficient of unit inductance. Energy in the magnetic field, calculation of L for a solenoid. Mutual inductance coupling coefficient. Induction coil vibrators. Other instruments. Ampere balance, Watt balance. Use of shunts, figure of merit of the instrument. Supply meters, motors, clocks and electrolytic types.

Electrical measurements.—Measurements of E.M.F. direct deflection, tangent galvo, potentiometer, Crompton type potentiometer.

Measurements of resistances.—Wheatstone bridge, meter and post office box form, Resistance of Galvo by Wheatstone bridge, Internal resistance of a cell by Wheatstone bridge. Potentiometer, internal resistance of a cell. Low resistance by Kelvins bridge; High resistance cable insulation, etc., by direct deflection.

Measurement of currents.—Potentiometer, Tangent Galvo, Voltameter.

Thermal effects of current.—Heat and work, electricity and work, Joule's law, determination of mechanical equivalent of heat by electrical method. Units of electrical energy and power. Electric lamps, efficiency, candle power, Arc lamps. Current-carrying capacity of wires, fuses. Electric heaters.

Thermo-electricity.—Seebeck phenomenon, thermopile pyrometer, Peltier effect, Thomson effect. Piezo-electricity.

Chemical effects of currents.—Theory of dissociation. Ion charges and migration of ions. Faraday's laws of electrolysis. Electroplating, electrotyping, rectification of metals, copper for conductors.

Secondary cells.—Theory, operation and maintenance.

Paper (b)—Chemistry and Chemical Engineering.

Dissociation Theory, Electro-chemistry, including electrolytic alkalies, aluminium, steel, copper refining. Thermo-chemistry, combustion, flame calorific value of fuels. Solid, liquid, gaseous fuels. Metallurgy and chief uses of iron, copper, lead, tin, magnesium, zinc, aluminium, mercury, silver, nickel, manganese and chromium.

Important compounds of the above.

Cast iron, mild steel, steel, alloy steels, wrought iron, silicon steels, etc., their manufacture, properties and uses.

Alloys of industrial importance; their composition, manufacture and uses.

Mortars and cements, composition, uses and properties and ways of testing.

Paints and other preservatives for engineering materials.

Petroleum and lubricants.

Crushing and grinding.

Mechanical separation of mixtures.

Transportation of materials through the plant.

Solution and mixing.

Absorption of gases.

Evaporation (including simple and multiple effect), Distillation.

Crystallisation and drying.

Filtration, humidity control, purification of air.

Purification of water for potable, industrial and boiler use.

Methods of waste disposal.

Furnaces.

Refractory materials, insulation.

Heat transmission and losses.

Materials of construction.

Temperature measurement and control.

Practical.

Loss of heat from hot surfaces, iron, copper, aluminium.

Evaporation of water.

Determination of the overall coefficient of heat transfer, hot gases to water.

Laws of crushing and grinding.

High temperature measurements.

Exercises in calculating heat balance.

Qualitative analysis of alloys and simple minerals.

Gravimetric analysis of iron, copper and zinc.

Temporary and permanent hardness of water and total solids and suspended matter.

Analysis of simple alloys (gravimetric).

Analysis of stack gases.

Determination of ash, moisture and sulphur in coal.

Calorific value of coal, wood, oil, etc.

Viscosity of lubricants.

SECOND EXAMINATION IN ENGINEERING.

GROUP A.

Paper (a)—Pure Mathematics.

Differentiation and integration by graphical methods. Speed and acceleration from time-displacement curve and time-

displacement curve from speed-time and acceleration time diagrams. B.M. from load curve, etc. Volumes of solids of revolution. Prismoidal rule for volumes of solids, tanks, cuttings and embankments. Volumes by double integration. Lengths of arcs, lengths of suspension chains and telegraph wires. Areas of surfaces. Solid angles. Theorems of Pappus and Guldinus. Moments of inertia of simpler solids. K.E. of rotation and the torque for angular acceleration. Motion of simple rigid bodies on the level and on the inclined plane.

Rectangular co-ordinates. Straight line and the circle. Curve traced by a point on a curve rolling on another curve. The cycloid, the epicycloids and the hypocycloids. Forms of wheel teeth. Polar co-ordinates. Polar diagrams. Tangent properties. The logarithmic, spiral and non-circular gearing. The Rousseau diagram and the Mean Spherical Candle Power.

Paper (b)—Applied Mathematics.

General conditions of equilibrium. The principle of virtual work. Friction and C.G.

Deflections of beams—Non-uniform sections. The compound interest Law and applications. Simple Harmonic Motion and time of oscillation. Motion of parts of machines with respect to rectangular co-ordination.

Applications in solid geometry.

More difficult logarithmic calculations ; Use of approximations from binomial theorem ; Expansion of functions. MacLaurin's theorem. Proof of De Moivre's Theorem ; Applications in electrical problems. More difficult determination of laws to satisfy observed values from experiments. Determination of direction and inclination of oblique planes from survey measurements. More difficult engineering problems in maximum and minimum values.

Moments of Inertia. General theorems and applications. Principal axes.

GROUP B.

Paper (a)—Engineering Drawing and Design.

Examples of machine and engine details. Examples of brackets, hangers, wall boxes, footsteps, pulley and speed cones, spur and level wheels, lubricators. Boilers and boiler fittings ; furnaces, bolts, stays and gussets, tubes and tube plates, domes, manholes and doors. Single, double and treble riveted lap and butt joints. Lever, dead weight and spring loaded safety valves, steam pipes and stop valves. Economisers, filters and feed pumps. The preparation of tracings and blue prints.

Paper (b)—Strength of Materials and Theory of Structures.

Elastic stress and strain. Elastic limit and modulus of elasticity. Yield point. Ductile extension. Ultimate strength and percentage elongation. Effect of changes of temperature. Fluctuating loads. Suddenly-applied loads, shock resistance.

Calculation of shearing force and bending moments in beams and diagrams for same. Relations between loading, shearing force, bending moment, curvature, slope and deflection. Proof of formulæ in standard cases of beams. Theory of circular bending. Moments of Inertia and moment of resistance. Stresses in beams and design of section in simple cases for wood or steel beams. Graphical determination of reaction, shearing force and bending moment. Simple cases of rolling loads. Formula for simple cases of struts and columns axially loaded. Ferro-concrete columns, stresses in steel and concrete. Shear stress and strain. Shear Modulus. Development of formula for torque, stress and angle of twist, for circular shafts, solid and hollow. Determination of shaft diameter for transmission of power. Design of couplings. Strength of thin cylinders, boiler shells and pipes. Types of riveted joints, and design of same in simple cases. Close coiled springs, extension and stress due to axial loads.

Two dimensional non-redundant frame structures, example on cranes, bridges and roof trusses, etc.

Suspension chains and suspension bridges without stiffening girders. Metal arches. Simple cases of three-hinged arches subjected to stationary loads.

GROUP C.

Paper (a)—Heat Engines.

Fuels and combustion. Calorific value and air required. Products of incomplete combustion. Types of boilers. Standard fittings; effects of impure water, pitting and galvanic action. Economisers and superheaters. Steamtraps. Natural, forced and induced draughts.

Properties of steam, sensible and latent heat, superheat and dryness fraction. Internal and external work.

Simple and compound engines, various types of valves and gears described. The hypothetical indicator diagram, assumptions made, calculation of mean effective pressure. The actual diagram compared. How the losses occur. Effects of Jackets. Condenser plants and air pumps.

The functions of the governor and flywheel. Description of governors. Simple calculations.

Lubrication of steam engines. Oil separators and other accessories. Simple description of types of steam turbines.

The internal combustion engine. Otto cycle and two-stroke cycle. The Diesel engine. Fuel consumed. Comparison of costs with steam engine.

Paper (b)—Hydraulics.

General Principles. Static pressure. Types of hydraulic gauges. Pressure on immersed surfaces. Total pressure. Centre of pressure. Problems on lock gates and sluices.

Descriptive work on hydraulic machines. Reciprocating pumps. Accumulators; hydraulic presses. Jacks and lifts. Flow of water. Steady flow. Betnoulli's theorem. Venturi meters. Rise of pressure in pipes due to sudden stoppage of flow. Discharge of water from orifices, jets and nozzles. Coefficients of velocity. Contraction and Discharge.

Discharge of water over notches and weirs. Standard formulæ by theory and by experiments. Fluid friction in pipes and channels. Discharge through pipes and channels.

Loss of head due to sudden enlargements, and contractions, bends and elbows.

GROUP D.

Paper (a)—Electrical Engineering. Direct Current.

Electrical and Magnetic units. Power and energy. Cables. Resistance and drop of volts. Filament, arc mercury vapour and other lamps. Illumination and photometry. Lighting Installations. Switches, fuses and other apparatus. Secondary cells, theory, construction, installation and maintenance. Battery control and diagrams of switching connections. Voltmeters. Ammeters. Wattmeters and integrating instruments. Three-wire distribution. Detecting and locating faults. Boosters, balancers, circuit breakers. Jointing of cables, lead covered, conduit and other installation systems.

Installation of motors, starting panels. Lightning arresters. Fundamental principles of induction. Principle of dynamo. Example of laps and wave windings. E.M.F. equation. Armature reaction, commutation. Use of interpole and compensation windings. Shunt, series and compound wound generators. Mechanical details. Turbo Generators. Fundamental principle of the motor. Shunt, series and compound wound motors. Characteristics, applications, method of starting and control. Speed variation. Torque and efficiency. Testing. Operation of generators and motors. Switchboard connections. Elementary electric traction by direct currents.

Paper (b)—Electrical Engineering. Alternating Current.

Generating of alternating current. Representation by sin wave and vector diagrams. Maximum, effective and average values. Effect of self-induction in A.C. Circuits. Skin Effect. Examples of self-induction. Effect of capacity in A.C. Circuits. Examples. Ohm's law for an A.C. Circuit. Wattless currents. Power factor. Resonance.

Series and parallel circuits. Measurement of power. Wattmeters. Alternators. E.M.F. equation. Constructional details. Armature reaction, regulation. Synchronising and parallel operation of alternators. Polyphase currents. Delta and star connections. Measurement of power in polyphase circuits. Theory of the transformer. Types and their uses. Vector diagrams—Losses, efficiency and regulation. Alternating current instruments.

FINAL B.SC. EXAMINATION (MECHANICAL
ENGINEERING).

GROUP A.

Paper (a)—Pure Mathematics.

Algebraic and trigonometric equations. Taylor's formula with applications. Complex numbers. Hyperbolic functions and trigonometric functions with complex argument. Conjugate functions. Repeated partial differentiation. Vector addition and vector products.

Differential equations, elementary general considerations. Linear equations. Exact differential equations. Linear differential equations of the first and second orders with constant coefficients. Simultaneous differential equations in two dependent variables with constant coefficients.

Fourier's integrals and Fourier's series for simple functions. Straight line, plane and sphere. Contour lines on simple surfaces.

Spherical trigonometry. The fundamental theorem and solution of spherical triangles.

Paper (b)—Applied Mathematics.

More difficult differentiation and integration. Application to observed graphical results for deriving further information.

Harmonic analysis by arithmetical and graphical methods. Applications of differential equations. Motion in resisting media. Deflection of beams. Emptying of tanks. Conduction

and radiation of heat. Atmospheric pressure. Free vibration and forced vibration of mechanical systems. Simple and compound pendulums. Bifilar suspension. Current and voltage in systems with given R.L. and K. Current and voltage in a transmission line.

Euler's formula. Struts. The whirling speed of shafts.

Applications of spherical trigonometry. Distances and angles on a sphere. Elementary Thermodynamics. The principle of virtual work. Applications. Double integrals. Centre of pressure and metacentre.

GROUP B.

Paper (a)—Mechanism.

Linear and circular motion. Vector diagrams of velocity and acceleration. Mass acceleration effects. Limiting velocity of rims. Turning moment on crankshaft, fluctuation of energy and speed. Design of flywheels. Rope, belt and chain gearing for known power. Design of brakes and dynamometers. Toothed gearing and wheel trains; epicyclic and differential gears. Quick return motions. Friction gearing and clutches. Valves and valve gears. Stephenson and other link gears; determination of equivalent eccentric for any position of gear. Determination of steam distribution in each case.

Types of governors and their properties.

Balancing of rotating and reciprocating masses with applications to engine balancing. Gyroscopic effects. Simple and compound harmonic motions. Harmonic analysis. Critical speeds of shafts and torsional oscillations. Beams and ratchets; accurate determination of profiles for special motions.

Paper (b)—Hydraulics.

Buoyancy, metacentric height and stability of floating bodies. Theory of Reciprocating Pumps. Impact of water on surfaces. Reaction of jets.

Pelton wheels. Radial and Axial flow turbines. Angle of vanes and glide blades. Work done per pound of water and efficiency.

Design of water wheels, turbines, centrifugal and multiple impeller pumps. Practical construction of weirs, dams and penstocks.

Reconnaissance and general layout for various types of water power schemes.

Flumes and Open Channels.

Types of dams, flash boards, head gates, sluice gates, head racks, forebays. Settling tanks, tunnels and channels.

The hydraulic equipment of the power house, including auxiliary plant. The Pelton, Francis and other types of turbines. Speed, head and efficiency. Specific speeds. Water hammer and surge tanks. Governing.

GROUP C.

Papers (a) and (b)—Materials and Structures.

Stresses in two dimensions and the strains related to them. General theory of elasticity. Ellipse of stress. Poisson's ratio. Oblique and complimentary combined. Bending and torsion with or without end thrust. Guest and Rankine stresses. Formulæ for equivalent bending moment or equivalent twisting moment with proofs. Principal axes and stresses. Design of crankshafts and other cases of combined stresses.

Theory of Struts. Euler's and Rankine Formulæ developed; assumptions made. Design of Struts in practice. Eccentric loading, effects in ties and columns. Limit of eccentricity.

Theory of thick cylinders. Relations between pressure and stresses. Compound thick cylinders. Shrunk and wound thick cylinders, initial and final stresses. Resilience. Effect of suddenly applied loads. Repetition and reversal of loads. Fatigue of metals. Wohler's experiments and conclusions. Centrifugal stresses in rotating rims.

Open coil springs axially loaded, extension and twist produced. Testing machines of various kinds, and tests to destruction under tensile, compressive, bending and torsional loads. Tests on impact and hardness. Bending moment and shearing force diagrams for fixed and continuous beams. Estimation of stresses with fluctuating and rolling loads. Propped beams. Flitched beams and ferro-concrete beams, theory and design. Distribution of shear stress across section of beams. Semi-members, and counterbracing in bridge frames. Internal friction hypothesis, and development of Rankine's formula, for earth pressures. Depth of foundations. Design of footings. Retaining walls for hydraulic or earth pressures, strength and stability and design of same, with or without surcharge. Three pinned arch ribs, shearing force, bending moment and thrust, with dead loads.

Deflection of Frame Structures.

A knowledge of constructional details of roof trusses, bridges, plate girders, lattice girders, trestles and piers, and design of such structures.

GROUP D.

Papers (a) and (b)—Surveying.

General principles. Chain surveying. Chains. Rods. Tapes. Cross-staff. Optical squares. Methods of chaining. Field-book. Tie-lines. Offsets. Obstacles. Chaining on Slopes. Stepping. Clinometers. Plotting. Computation of Areas.

Levelling. Levels. Levelling Staff. Field-book. "Rise and Fall" and "Collimation" Methods. Reduced levels. Datum. Bench Marks. Cross-Sections. Contours. Boning Rods.

Surveying with instruments. Theodolite. Surveying compass. Box Sextant. Plane Table. Range Finders. Care of Instruments. Traverse Surveys. Bearings. Closing Error. Measurement of Heights of inaccessible objects.

Adjustment of Instruments. Chain. Theodolite. Level.

GROUP E.

Paper (a)—Heat Engines.

The hypothetical diagram. Mean effective pressure for isothermal and adiabatic expansion. The actual diagram compared, losses and methods of reducing same. Most efficient expansion. Theory of condensation and valve leakage, methods of reducing. Determination of missing quantity from actual diagrams. Types of valve gears compared. Entropy chart. Carnot's cycle and Rankine Cycle. Efficiencies, work done and dryness of steam. Superheating, and constant volume lines. Plotting of indicator diagram on entropy chart. Comparison of engine performances. Flow of steam through nozzles, use of entropy chart. Impulse and reaction and special types of steam turbines. Diagrams of pressure and steam velocity. Determination of blade angles and work done by steam.

Internal combustion engines. Thermodynamic properties of gas. Experiments with explosive mixtures of varying percentage. Disassociation of gas in cylinders. Gas, oil, Diesel and petrol engines. Constant volume and constant pressure cycles. Theoretical diagrams and calculation of efficiencies. Actual diagrams compared. Various methods of ignition, timing of same and valve operation. Rate of reception of heat during expansion determined from indication diagrams. Types of plant for producer gas. Theory and reactions in same. Quality of the gas refrigeration. Choice of working agent. Coefficient of performance. Commercial machines. Air compressors and transmission of power by compressed air.

Paper (b)—Practical.

Determination of calorific value of gas, oil and coal. Setting of valves for steam and internal combustion engines. Complete boiler tests, and preparation of heat balance sheets. Indicated and Brake Horse Power tests of steam engine with and without jackets, condensing and non-condensing. Determination of loss from condensation and valve leakage.

Prolonged tests of gas and oil engines at different loads, and with different compression ratios. Determination of thermal and mechanical efficiencies. Comparison with standard air engine.

GROUP F.

Engineering Drawing and Design.

The application of graphical methods to problems arising in the study of mechanism, structures and hydraulics.

(a) Determination of the general dimensions for a single cylinder steam engine, given the indicated horse power, speed and boiler pressure.

(b) Design of lattice girders, bridges, roof trusses, retaining walls and dams. Complete working drawings and design of a boiler, engine, machine or structure.

(c) Complex harmonic motion and graphical harmonic analysis.

(d) Preparation of complete working drawings and specifications from sketches and notes obtained by actual observation, investigation and measurement of details.

FINAL B.SC. EXAMINATION (ELECTRICAL
ENGINEERING).

GROUP A.

Papers (a) and (b).

Same Syllabus as for Mechanical Engineering, Group A.

GROUP B.

Papers (a) and (b)—Design of Electric Machinery.

Direct current machinery. Calculations and measurements connected with the magnetic circuit. Details of field magnet coils. Constructional details of armatures, windings. Commutation. Reactance voltage. Interpoles. Turbo-generators. Efficiency and losses. Direct current motor. Design for special

purposes. Shunt series and compound. Alternating current machinery. Single and polyphase generators. Details of poles and windings. Regulation Efficiency. Wave-form synchronous motors. Polyphase induction motors. Circle diagrams. Induction generator. Synchro-Induction motor. Phase advancers. Single-phase induction motors. Starting devices. Rotary converter. Ratio of transformation, heating and efficiency. The motor converter, series, repulsion and mixed action motors. Transformers. Details of iron and copper circuits. Regulation, efficiency. Auto-transformers.

GROUP C.

Paper (a)—Electrical Generation and Distribution.

Selection of site for generating station. Choice of system. Choice of size and type of plant. Comparison of direct and alternating currents. Constant current system. Choice of voltage and frequency. Equipment of station, auxiliaries. Switchboards and switch-gear. Rotary converters, boosters, batteries, transformers, feeder regulators, rectifiers, regulating and protective devices. Synchronising and parallel running of machines. Use of batteries. Load and diversity factors. Cost of generation. Substations and their equipment. Automatic substations. Systems for distribution of light and power. Voltage drop and current distribution in network size of conductors. Kelvin's Law. Insulation resistance of network. Localisation of faults. Underground, mains and their construction. Joints and joint boxes.

Paper (b)—Electric Transmission.

Systems of transmission of electrical energy to substations. Efficiencies of various systems compared. Determination of the most economical system for a given case. Overhead construction. Cables and their constructions. Dielectrics and their properties. Grading of cables. Capacity and inductance. Regulation. Corona effect. Resonance and surges. Lightning protection. Estimation of cost in a given case. Restrictive and protective regulations. Earthing. High tension d.c. transmission. Thury system.

GROUP D.

Paper (a)—Electric Traction.

Systems of operation for tramways and railways traffic and requirements. Direct current tramway and railway motors.

Series parallel control, efficiency. Mechanics of traction. Estimation of power and energy required. Description of typical tramway system. Description of typical d.c. railway system. Multiple unit control. Use of alternating current. Single-phase motors. Control and equipment of single-phase system. Board of Trade regulations. Polyphase traction motors. Description of system. Regenerative control.

Paper (b)—Telegraphy, Telephony and Radio Communications.

The principles, construction and applications of repeat coils, impedance coils, lamps, jacks, cords, plugs, indicators, relays, magneto-bells, magneto-generator, C.B.S. subscribers' instruments.

Various transmitters and receivers in common use. Polarising of receivers.

Simpler systems of telephony including house telephones. Operators' telephone circuits at magneto and C.B.S. exchanges. The principles of trunk working and automatic exchanges. The principles and construction and application of: Keys, relays, line galvanometers, sounders, and Wheatstone transmitter, receiver and perforator. Simpler systems of manual telegraphy including single and double current duplex central battery telegraph systems. Elementary description of the Wheatstone Automatic System.

Series and parallel circuits, coupled circuits, working ideas of damping of circuits and effect of resonance. Construction and theory of thermionic valves, two electrode characteristic curves of valves. Production and propagation of wireless waves. Essential components. Y spark transmitter. Production of oscillations in a valve circuit. Essential components of a valve transmitter.

Detecting devices for wireless waves. Crystal and valve detectors.

Thermionic valve amplifier and note magnification. Methods of modulating continuous waves for transmission of speech. Component parts and action of receiver in reproduction of speech. Heterodyne reception, general principles. Directional wireless and wireless direction finders.

GROUP E.

Paper (a)—Heat Engines.

Same syllabus as for Mechanical Engineering, Group E.
Paper (a).

Paper (b)—Strength of Materials and Theory of Structures.

Stress in two dimensions and strains related to them, including the ellipse of stress, maximum obliquity and maximum strain. Distribution of shear in beams on vertical section.

Principal stress, combined torsion and bending with or without end thrust in shafts. Determination of principal stress and maximum shear stress. Equivalent bending moments and equivalent twisting moments. Close and open-wound helical springs. Extension under axial pull and maximum shear stress.

Angle of twist under torsion and maximum direct stress. Eccentric loading. Effect in ties and short columns of non-axial loads applied in the principal planes. Limit of eccentricity in simple sections for direct stress of one kind.

Shells and cylinders, stresses and strains due to internal pressures in their spherical and cylindrical shells; stresses and strains in simple thick cylinders and hollow spheres under hydrostatic pressure.

Resilience, stress effects of suddenly applied tensile loads and also of compressive loads on short pieces. Impact variation and repetition of stress.

Methods of testing and appliances used in determining the elastic constants and in testing materials to destruction under tension, compression, shearing, torsion and bending. Load-extension diagrams. Impact and hardness tests. Results of tests. Methods of testing under repeating and alternating stresses. Fatigue. Some knowledge of the principal experimental work on the testing of materials. An elementary knowledge of the physical properties of the common materials used in engineering.

GROUP F.

*Electrical Engineering Design and Drawing.**(a) Design of D.C. Generator and Motor :—*

(i) Design of Armature. Selection of materials for the construction of different parts. Output coefficient. Specific electric loading. Specific magnetic loading. "D²L" formula. Determination of the number of poles. Usual proportions of diameter and length of armatures. Ratio of polar arc to polepitch. Airgap, flux-density, airgap flux per pole. Maximum peripheral speeds permissible. E.M.F. equation. Determination of the total number of armature conductors. Type of armature winding suitable for a particular case. Sizes of conductors. Current densities in conductors. Determination of the proportions and dimensions of slots and teeth. Space factor. Apparent and corrected tooth densities. Depth of Armature iron below teeth. Gross and net armature lengths. Ventilating ducts. Permissible temperature rise in armatures.

Max. armature IR-drop. Calculation of the resistance of the armature. I^2R loss in the armature. Armature hysteresis and eddy current losses. Considerations for the design of the armature spider.

Design of armature shaft.

(ii) Design of Commutator. Current per brush, current densities allowable for different types of brushes. Current per segment. Diameter of commutator. Number of commutator segments. Reactance voltage. Volts per bar allowable in different types. Thickness of mica insulation. Length of the commutator. Details of construction of the commutator. Number of sets of brushes. Number of brushes in one set. Contact size of each brush.

(iii) Design of field magnets. Magnetic densities at load in different parts of the magnetic circuit. Full load flux. Full load ampere-turns. Ampere-turns for different parts of the magnetic circuit. Apportioning of total ampere-turns between the main and the other windings. Allowance for temperature rise in the field coils. Leakage coefficient. Dia. of pole core. Depth of winding of the field coil allowable for satisfactory radiation of heat generated inside.

Surface area of each field coil for proper dissipation of heat. Watts to be dissipated per unit area of surface of field coils for satisfactory working. Determination of the cross-section of wire for field coils. Length of pole core. Pole-shoe, its construction and the method of fixing on the pole core. Different types of the field system. The yoke and its design. Design of interpoles.

(iv) Brush-gear, its design and construction. Rocker. Different types of brush holders. Holders for radial brushes, etc. Construction of the performance and efficiency curves.

(b) *Design Alternator (Single-Phase and Three-Phase) :—*

Usual types of Alternators. Stators and rotors, Poles and pole-shoes. Number of poles. Maximum peripheral speed. Output coefficient. " D^2L " formula. Determination of the suitable proportions of length to diameter of armature. Ratio of pole-arc to pole-pitch. Net and gross length of armature. Specific electric loading. Total ampere conductor per phase. Conductors per phase. Turns per phase. Number of slots per pole per phase. Total slots. Conductors per slot. Types of slots in use. Ampere conductors per slot. Current density in armature conductors. Conductor size. Dimensions of slots. Slot-space factor. Slot-pitch on the pole side. Slot-pitch on the armature side. Tooth width at root. Tooth width on pole-side. Mean slot-pitch. Different winding factors. E.M.F. equation. No-load flux. Magnetic leakage and leakage coefficient. Calculation of Ampere-turns of excitation required per pair of poles. Armature flux per pole. Radial

depth of armature core below teeth. Radial depth of airgap. Selection of the most suitable type of stator winding.

Calculation of the number of turns per pole. Size of wire for winding field coils. Depth of winding space. Mean length per turn. Calculation of the field current at normal rating. Current density in field coils. Calculation of full load losses and efficiency. Power-factor. Core loss. Stator I^2R loss. Excitation loss. Friction and windage loss. Calculation of the temperature rise of the stator. Cooling surface. Temperature rise of end connections. Temperature rise of field coils. Inherent regulation at unity power factor, as well as at other power factors. Calculation of weights of the stator copper. Field copper. Stator iron, magnet pole, magnet yoke, as well as the total active material. Design of the slip rings. Brush gear. Shaft and bearings.

(c) Design of Transformer :—

Points in the design of Transformer to specifications. The core type and the shell type transformer. Different methods of cooling transformers. Single-phase and three-phase transformers. Primary induced E.M.F. Flux-factor for transformers employing different methods of cooling, and for different types of transformers. Determination of the number of turns of the primary and the secondary coils. Current density in the coils. Conductor sections. Length of the wound portion of the core. Specific electric loading. Different arrangements of the transformer coil winding. Subdivision of coils for winding for high tension. Insulation of high tension coils. Reinforcement of insulation between adjacent layers of high tension coils. Internal insulation. Method of preventing the concentration of potential upon the outer turns of winding at the instant of switching on. Flux density in the yoke. Dimensions of the yoke. Distance between cores. Total length of magnetic paths in cores and yokes. No-load magnetising current. No-load current and power factor. Determination of the Resistance of windings. Effective Resistance. Calculation of the equivalent resistance. Total I^2R loss at different loads. Iron losses in core and yoke. Copper losses at specified temperatures. Efficiency at unity power factor. Regulation. Heating of windings, and iron parts. Estimation of the temperature rise of iron cooling surface necessary for transformers with different arrangements for cooling. Weights and cost.

(d) Design of Induction Motor :—

Single phase and Polyphase. Induction motors. Squirrel. Cage and wound Rotors. Determination of the number of poles. Rated output expressed in watts. Determination of the Polar pitch. Output coefficient. Preliminary estimate of the total

net weight. Preliminary estimate of the total works cost. Peripheral speed. Peripheral loading. Efficiency and power factor. Conductors per phase. Number of slots per pole per phase. Slot-pitch. Total number of stator slots. The pressure formula. The magnetic circuit of the Induction motor. Ventilating ducts. Width of stator tooth. Width of slot. Slot tolerance. Dimensions of the stator conductors. Slot insulation. Slot space factor. Primary proportions for rotor slot. Determination of cross-section of airgap. Radial depth of airgap. Preliminary magnetic data for teeth and airgap. Densities in stator and polar core. Magnetising current. No-load current. Ratio of no-load to full-load current. Circle ratio of induction motor. Kierstead's formula for determination of the circle ratio. Circle diagram. Estimation of the full load power factor. Stator I^2R loss. Stator IR drop at full load. Determination of the core loss. Core loss in rotor. Input to motor and rotor at rated load. Output from rotor conductors. Torque factor. Equivalent resistance of rotor. Equivalent resistance of motor. Starting torque. The squirrel cage. Number of rotor-slot. Pitch of rotor-slot. Ratio of transformation. End rings. Current in the end rings. Calculation of the different losses at full load. The efficiency at full and half loads. Temperature rise. Estimation of the weight of active materials. The breakdown factor. The power factor. The slip. Determination of the rotor I^2R loss at various loads. Design of the slipping induction motor. Rotor slot-pitch. Slots for wound rotors. Rotor winding. Slot lining and insulation. Relative advantages of the squirrel-cage and the wound rotors, as regards efficiency, power-factor heating, depreciation and rough use.

TEXT-BOOKS.

FIRST EXAMINATION IN ENGINEERING.

1. Practical and Solid Geometry by Harrison and Baxandall.
2. Machine Drawing by T. Jones and T. G. Jones, Vol. I, published by John Heywood, Ltd., London.
3. Mathematics for Engineers, Part II, by W. N. Rose, published by Chapman and Hall.
4. Physics by Duncan and Starling.
5. Practical Physics by Watson.
6. Modern Inorganic Chemistry by Mellor, published by Longmans.
7. Practical Inorganic Chemistry by Bruce and Harper, published by Longmans.
8. Chemical Engineering by Harte.

9. Technical Electricity by Davidge and Hutchinson or Continuous Current Electrical Engineering by W. T. Maëcall, published by University Tutorial Press.
10. Arithmetic of Electrical Engineering by Whittakar, published by Pitman and Sons.
11. Elementary Applied Mechanics by Morley and Inchley, published by Longmans.

SECOND EXAMINATION IN ENGINEERING.

In addition to the books for the First Examination in Engineering :—

1. Continuous Current Electrical Engineering by W. T. Maccall, or Direct Current Electrical Engineering by J. R. Barr, published by University Tutorial Press.
2. Classified Examples in Electrical Engineering by S. G. Monk, Vol. I, published by Pitman and Sons.
3. Electric Lighting Connections by Lundberg, published by Pitman and Sons.
4. Dynamo and Motor Testing by C. F. Smith, published by Pitman and Sons.
5. Machine Drawing by T. Jones and T. G. Jones, Vols. II and III, and Manual of Machine Drawing and Design by D. A. Low and Bevis (Longmans).
6. Hydraulics by Lewitt (Pitman).
7. Heat Engines by Inchley (Longmans).
8. Theory of Machines by R. F. McKay (Arnold, London).
9. Alternating Current Electrical Engineering by P. Kemp, or Alternating Current Electrical Engineering by W. T. Maccall, published by Macmillan and Co., and University Tutorial Press.
10. Arithmetic of Alternating Current by E. H. Crapper, published by Pitman and Sons.
11. Theory of Structures by A. Morley.

FINAL EXAMINATION IN ENGINEERING.

Mechanical Engineering.

In addition to the books for the First and Second Examinations in Engineering :—

1. Theory of Structures by A. Morley (Longmans), and Theory and Design of Structures by E. S. Andrews (Chapman and Hall).
2. Hydraulics and its Applications by C. H. Gibson (Constable, London).

3. Heat Engines by D. A. Low (Longmans).
4. Roorkee Manual of Surveying, obtainable from Thomason College Press, Roorkee.

Electrical Engineering.

In addition to the books for the First and Second Examinations in Engineering :—

1. Roorkee Manual of Surveying, Thomason College Press, Roorkee.
 2. Practical Alternating Current by C. F. Smith.
 3. Classified Examples in Electrical Engineering, Vol. II, by S. G. Monk, published by Pitman and Sons.
 4. Electrical Machine Design by Gray, or Alternating Current Machinery by Barr and Archibald (Pitman and Sons).
 5. Electric Traction by A. T. Dover, published by Pitman and Sons.
 6. Electric Power Transmission by A. Still (McGraw Hill Co.).
 7. Electrical Technology by Cotton, published by Pitman and Sons.
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